# THE CHEMIST AND DRUGGIST

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DRUGS

CHEMICALS **EVANS** PHARMACEUTICALS

EVANS SONS LESCHER & WEBB, LTD.
LONDON, LIVERPOOL and NEW YORK.

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„ Hydrobromic
Ammon. Molybdate
„ Sulphocyanide
Bismuth Subnit.
„ Subgallate
„ Salicylate
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Citrates (Potassium & Sodium)
Cocaine
Creosote
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Glycerophosphates
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Thymol
Yohimbin

Large quantities of these and other Pharmaceutical Chemicals available for prompt or forward delivery.

**MAY & BAKER, Ltd.**
BATTERSEA - LONDON, S.W.


*Index to Advertisers, page 5*

**WARNING.** The Minister of Munitions will only release Glycerine *under written guarantee* that it will not be used for Toilet Preparations and Cosmetics. It is not to be used for sweetening purposes nor sold over the counter. At present its use is to be confined to British Pharmacopœia Preparations. Non-compliance with this order is an offence under the Defence of the Realm Act.

# PROHIBITION of GLYCERINE
## IN TOILET PREPARATIONS.

THE FOLLOWING

# GLYCERINE SUBSTITUTES

consist of a Quince Seed Emulsion of Almonds, Lanoline and other skin emollients. The result is a preparation quite comparable with Glycerine in soothing and emollient properties. The Emulsion is variously perfumed and medicated (*e.g.* Witch Hazel, Benzoin, &c.).

WE CAN SUPPLY THE FOLLOWING VARIETIES:

No.
1. **DELYSIA CREAM** (Registration applied for.)
2. **BENZOIN CREAM**
3. **CUCUMBER CREAM**
4. **MILK OF CUCUMBER**
5. **SUNBURN CREAM**
6. **CRÊME LA MILO**
7. **CRÊME À LA VIOLETTE**

No.
8. **WITCH HAZEL BALM**
9. **ELDER FLOWER LOTION**
10. **BUTTERMILK LOTION**
11. **BUTTERMILK & OATMEAL CREAM**
12. **VERBENA BALM**
13. **ALMOND CREAM**
14. **WHITE ROSE CREAM**

In 2½ ounce York Panelled, each Bottle in Carton.

PRICE **4/3** PER DOZ. 12 DOZ. **4/-** CARRIAGE PAID.

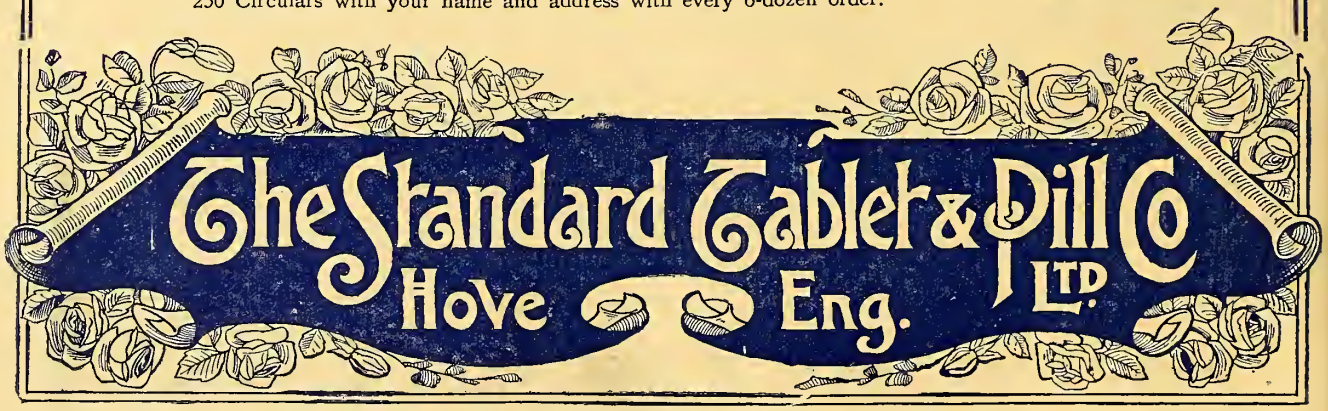
*Name and Address on 3 dozen.*

PROPRIETARY NAMES.—Chemist's own proprietary name printed on orders of not less than 6 dozen.

**FREE PATRIOTIC SHOWCARDS IN COLOURS,**

and Circulars explaining the Glycerine Situation, Free.

250 Circulars with your name and address with every 6-dozen order.



# £100 REWARD.

It having been brought to our notice that the Representatives of interested firms in this country and abroad are stating that our clients—Messrs. OPPENHEIMER, SON & CO., Ltd., 179 Queen Victoria Street, London, are a German Firm, the above reward will be paid to any person or persons giving such definite information as will enable us to obtain a conviction against any party or parties making such prejudicial statements. Our clients are essentially a British Firm, with an all-British Capital and Staff, and furthermore, are at present contractors to the British and French Governments.

(Signed) W. R. BENNETT & CO.,
King's Bench Walk, E.C., Solicitors.

[No. 9.]

OWING to the fact that another Firm bearing the same name as ourselves and advertised in the Official Journal as "Oppenheimer," Liquidated under the Trading with the Enemy Amendment Act, 1916, has been confused with our House, which is entirely British in every respect, we suggested to the Board of Trade that in all their publications any House so wound up should be fully described, and we have received the following reply:

It is requested that any reply to this Letter may be addressed to the Inspector General in Bankruptcy, (Telegraphic Address: "Board Trade, Bankruptcy, London,") and that the following number may be quoted:—

T.E. 172/16.

BOARD OF TRADE,
1, Horse Guards Avenue,
Whitehall,
London, S.W.
17th March 1916.

Gentlemen,

I am directed by the Board of Trade to acknowledge the receipt of your letter of the 16th instant and to state that an acknowledgment of the receipt of your letter of the 3rd instant was duly sent to you.

The Board regret that you should have been put to inconvenience by the confusion of your firm with that of M.J. Oppenheimer of 88a Leadenhall Street E.C. which has been ordered to be wound up under the provisions of Section 1 of the Trading with the Enemy Amendment Act 1916.

In order to identify more completely the firms whose businesses are ordered to be wound up under the above Section the Board are now inserting in the orders made a description of the business, and such description is included in the Gazette Notice which is re-produced in the Board of Trade Journal.

I am, Gentlemen,
Your obedient Servant,

J.G. Willis

Messrs Oppenheimer Son & Company Ltd.
179 Queen Victoria Street,
E.C.

**OPPENHEIMER, SON & CO., LTD., MANUFACTURING CHEMISTS, 179 QUEEN VICTORIA STREET, LONDON, E.C.**

# NITSCHE & GUNTHER OPTICAL CO. LTD.

THE PREMIER PRESCRIPTION HOUSE.

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# ANTURIC
# BATH SALTS.

Since publication of the P.A.T.A. Year Book Anturic Bath Salts have been reduced. We can now supply at

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MINIMUM RETAIL 1/3 STAMPED.

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## (ZAM-BUK, PEPS, VEN-YUSA CREAM, BILE BEANS, &c.)

# 50/-

PARCEL ASSORTED AS DESIRED.

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**TERMS:** 2/6 allowed for accepting and showing one of our Attractive Showcards.

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| Zam-Buk, | Peps, | Bile | Beans, | 13/- | doz. | net, | small size. |
| " | " | | " | 28/6 | " | | large " |
| Ven-Yusa Cream | | .... | .... | 9/3 | " | | 1/- " |
| Ven-Yusa Soap | | .... | .... | 3/1 | " | | 4d. " |
| Zam-Buk Soap | | .... | .... | 7/6 | " | | 1/- " |

ORDERS TO BE ADDRESSED TO **C. E. FULFORD, LTD., CARLTON HILL, LEEDS.**

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THE CHARLES H. PHILLIPS CHEMICAL CO.,
14 Henrietta Street, Covent Garden, London,

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# A NEW SIZE

OF

# Phospho-Muriate of Quinine Co.

P.A.T.A. Retailing at 3/- per bottle. P.A.T.A.

Wholesale Price 27/- per dozen.

# THE BUDGET

has made a revision of the prices of our various Food Tablets essential. All outers and show material are now marked with the new Retail Prices.

## AYRTON'S
## TEA, SUGAR and MILK TABLETS

*Showmatter free.* P.A.T.A. Retail . . . **7½d.** per tin.
Wholesale . **72/-** ,, gross.

## AYRTON'S
## COFFEE, SUGAR & MILK TABLETS

*Showmatter free.* P.A.T.A. Retail . . **10½d.** per tin.
Wholesale . **96/-** ,, gross.

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## COCOA, SUGAR & MILK TABLETS

*Showmatter free.* P.A.T.A. Retail . . . **9d.** per tin.
Wholesale . . **84/-** ,, gross.

## AYRTON'S TEA TABLETS

*Showmatter free.* P.A.T.A. Retail . . . **7½d.** per tin.
Wholesale . **72/-** ,, gross.

*SUPPLIES ARE NOW READY.*

## AYRTON, SAUNDERS & CO., LTD.,

***Wholesale Druggists, LIVERPOOL.***

London Agent—J. E. GARRATT, 96 Southwark Street, S.E.

# PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

## R.W. Greeff & Co.,

offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries.

(WHOLESALE QUANTITIES ONLY)

Barbitone
Bromide of Ammonium
Bromide of Potassium
Bromide of Sodium
Chloral Hydrate
Cinchonine Sulphate and Muriate
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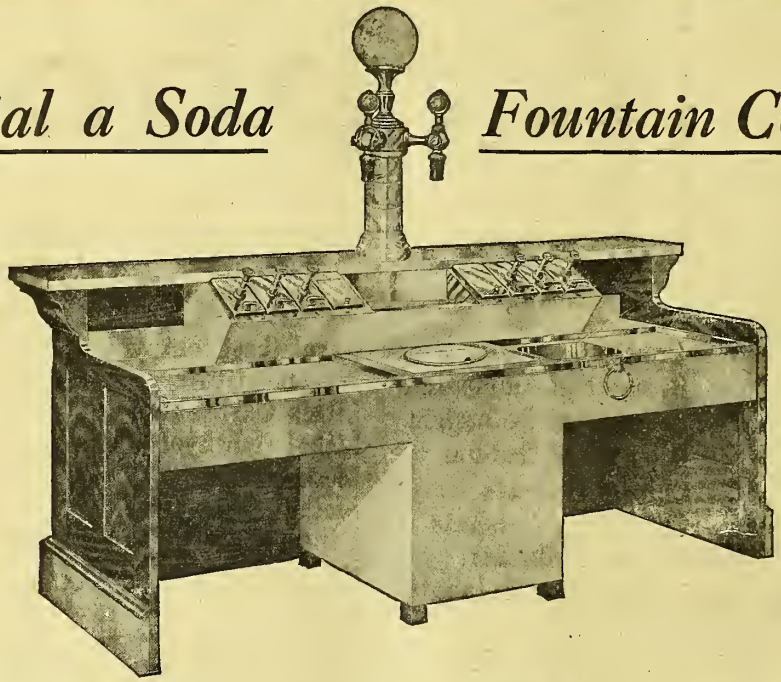
Citric Acid
Cocain Hydrochlor and Puriss
Cream of Tartar
Creosote Carbonate
Eucalyptus Oil
Formaldehyde
Gallic Acid
Glycerophosphates
Guaiacol Carbonate
Heliotropin
Hexamine
Homatropine
Hydroquinone
Isarol (best Ichthyol substitute)
Lithia Carbonate
Lithol (Ichthyol sub.)
Mercurials
Methyl Salicylate
Peppermint Oil
Pepsine
Phenacetin
Phenazone
Pyrogallic Acid
Potassium Sulpho-Guaiacolate
Quinine and Salts
Quinine Ethyl Carbonate
Salicylate of Soda
Sugar of Milk
Tannic Acid
Tannin Albuminate
Terpineol
Theobromine
Vanillin

R.W. Greeff & Co.,
Thames House. Queen Street Place
London. E.C.

# A Money-making Proposition for Enterprising Chemists & Druggists!!

*Instal a Soda Fountain Counter*



The Soda Fountain is a prominent feature with Druggists' Stores throughout the United States. Why not here? It may be looked upon as an innovation, but is a step in the right direction as a Profit Earner!

It will improve the appearance of your Store and draw new customers if you have the right kind of Fountain, and that is

## THE "RED CROSS" SODA FOUNTAIN

(THE STANDARD OF THE WORLD)

MANUFACTURED BY

**The BISHOP-BABCOCK-BECKER CO., Cleveland, Ohio, U.S.A.**

The range and variety of styles and sizes is practically unlimited, enabling every possible requirement being met.

*Sole Agents for the United Kingdom and South Africa:*

**L. LUMLEY & CO., Ltd., The Minories, LONDON, E.,**

who will be pleased to submit designs and advise those interested.

# In the Syphon

It is *quality* in the syphon that counts. **Back-pressure puts it there.**

High-pressures in the aerating cylinder won't do it. All that means is big gas bills and many syphon breakages.

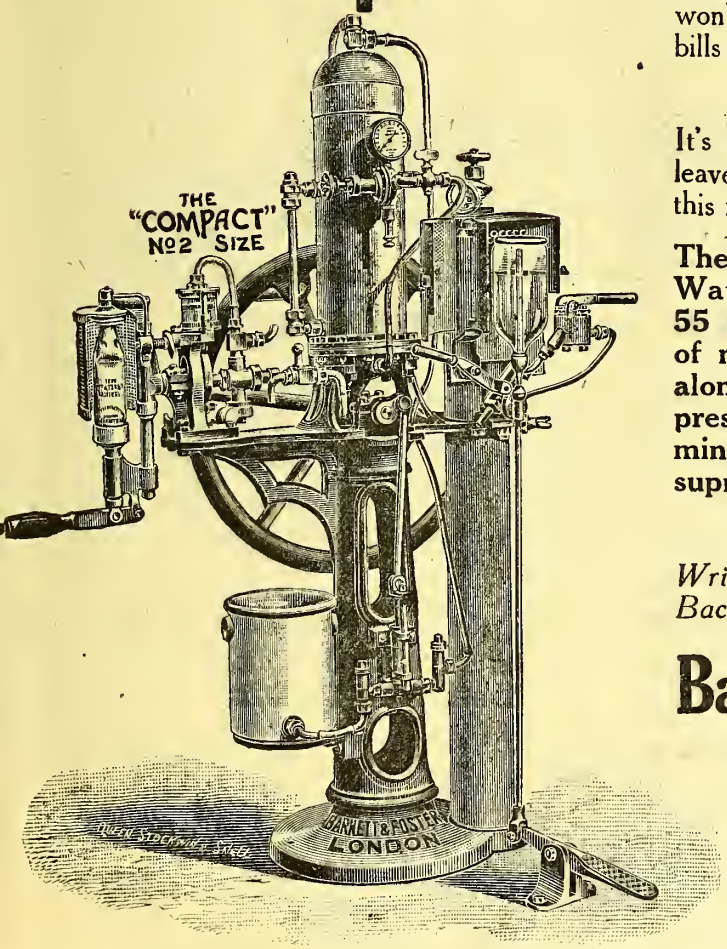
— o —

It's usual to aerate to 180 to 200 lb. to leave 60 lb. in the syphon! True, but this means loss of gas—a lot of gas.

**The remedy is back-pressure filling. Waters aerated to 60 lb. will show 55 lb. in syphon—a clear saving of more than 50 per cent. in $CO_2$ alone, while the lower bottling pressure reduces breakage to a minimum and ensures the supremely perfect product.**

— o —

*Write for particulars of "Compact" Back-Pressure Soda-water Machines.*




## Barnett & Foster

*(Proprietors of Galloway Brothers)*

ENGINEERS,

*Contractors to the War Office and Crown Agents,*

**Dept. N3, Niagara Works, London, N., and at BOLTON, LANCS.**

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Telephone: London 1605 North; Bolton 545.

**"Compact No. 2"**

Soda-water machine complete with inverted gun-metal pump; automatic saturating cylinder; Ideal turnover filler with syrup pump and syphon filler.

**Price £50 : 2 : 0**

*(not including gas flask)*

No. 170

EVIDENCE FROM DOCTORS.—SOME EXCERPTS FROM THE SANAPHOS PETITION.

"Having several times tested Sanatogen, and latterly Sanaphos, I consider the latter a better preparation than Sanatogen."—Med. Off. of Health,

"Sanaphos is, in my opinion, superior to any similar product."—M.R.C.S., L.R.C.P.

"I tried Sanatogen when it first came out and never found a patient benefit the slightest by taking it. But Sanaphos has worked wonders in many cases."—M.R.C.S.Eng.

"Since the introduction of 'Sanaphos' I have always prescribed it in preference to 'Sanatogen,' and consider it superior and more readily assimilated."—L.R.C.P.I.

"No comparison. Sanaphos superior in all respects."—L.R.C.P.E., L.R.C.S.E., L.F.P.S., nr. Manchester.

"I used to prescribe Sanatogen, but never again; always in future Sanaphos."—Mayfair, W.

"Sanaphos I consider superior to Sanatogen."—L.R.C.P. & S., Sheffield.

"I believe Sanaphos as a Nerve Tonic to be superior to Sanatogen."—M.D., M.R.C.P., F.R.C.S.E

"Sanaphos is quite as good, if not better than Sanatogen."—M.R.C.S., L.R.C.P. Lond., Fleet Surgeon R.N. Ret'd.

"Have used Sanatogen, now prefer Sanaphos."—L.D.S. (Dental Surgeon), St. Albans.

"I used Sanatogen before I tested Sanaphos, but I have found the latter much more efficacious than the German production."—Medical Practitioner, Harrow-on-the-Hill.

"I consider Sanaphos an improvement on Sanatogen."—Surgeon, Great Doverst., S.E.

"I find the Sanaphos quite as efficacious as Sanatogen."—L.R.C.P., L.R.C.S.

"Find Sanaphos much superior."—L.R.C.P.E., L.R.C.S.Edin., S.W.

"I used to take and recommend Sanatogen. I infinitely prefer Sanaphos, and always take it daily and recommend it to my patients."—L.R.C.P., M.R.C.S., L.M., L.J.A.

"I used Sanatogen extensively for many [illegible]

"I formerly used Sanatogen constantly, but find that Sanaphos completely replaces it in every way."—M.B.A., N.W.

"I consider Sanaphos far superior to Sanatogen. My patients derive great benefit from it."—R.C.S., Leeds.

"In my opinion Sanaphos is much superior to Sanatogen. I now recommend the former to my patients."—M.B., C.M., Edin.

"I believe Sanaphos to be superior to Sanatogen."—Surgeon, Weston-super-Mare.

"I consider Sanaphos much superior to Sanatogen."—M.D., Bournemouth.

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"Have previously used Sanatogen, but have discarded it in favour of Sanaphos."—M.B.

"I have used both Sanatogen and Sanaphos in my family and in my practice, and am much better pleased with Sanaphos."—L.R.C.P. Lond., M.R.C.I., Lancs.

"I consider Sanaphos superior to Sanatogen."—Physician and Surgeon, Bolton.

"Patients soon revolt at Sanatogen and its *price*."—M.D., Manchester.

"Sanaphos being much better than Sanatogen."—Dr., M.R.S., Kensington, W.

"Having prescribed Sanaphos very largely since its introduction I am convinced it is superior to Sanatogen."—L.R.C.P. and S.I., Cheshire.

"Formerly I used to mention Sanatogen to my patients, but few of them liked it even amongst Hospital patients. Now I advise Sanaphos; my patients like it and take it, as do I, frequently; whereas I only took Sanatogen once."—Dr. ——, Plymouth.

"Sanatogen was *not* a true chemical combination as stated, and this German- [illegible]

"I was at one time a great believer in Sanatogen, and have prescribed many tins of it, but now find Sanaphos is a much superior preparation both in effectiveness and taste, and now consider it to be the best milk product made."—L.R.C.P. and S.E., Medical Practitioner, Bath.

"Sanaphos is convenient to use. More palatable and in every way superior to the German product."—F.R.C.S. Eng., Plymouth.

"I have given up Sanatogen in favour of Sanaphos."—M.D. Lond., Westcliff-on-Sea.

"I used to recommend Sanatogen, but now I find Sanaphos is better in every way."—M.D., Lancing.

"I used to prescribe Sanatogen because I did not know about Sanaphos, but now I never do. There is no comparison between the two preparations. Sanaphos affords relief both physically and mentally in a very short time. It is really a wonderful preparation."—M.D., Sussex.

"I am frequently ordering Sanaphos and much prefer it to the older and cruder preparation of Sanatogen."—Physician and Surgeon, Berks.

"I used to prescribe Sanatogen. I shall never do so again, especially as I find Sanaphos gives *quicker and better* results."—L.R.C.P. Lond., etc., Wansteed.

"I formerly used Sanatogen personally and prescribed it for my patients. I now never use it, but always use and prescribe Sanaphos."—M.D., West Kensington, W.

"I have used and prescribed both, but much prefer *Sanaphos*."—M.R.C.S.E., L.S.A., Leicester.

"Sanaphos is very superior to any other preparation I have ever prescribed."—L.S.A.L., etc., Middx.

"Sanaphos is splendid stuff, and in my opinion distinctly superior to Sanatogen in *every* respect."—Prof., D.M., Liverpool.

"Although I used to order Sanatogen, I have ceased to do so for three years, considering Sanaphos a better product."—M.D., Lond., Mayfair, W.

"Do not prescribe Sanatogen now. Find Sanaphos better."—M.D., Northallerton,

"I formerly recommended Sanatogen, but now recommend Sanaphos."—M.D., M.C.H., Co. Down, Ire.

"I have personally found Sanaphos equal to Sanatogen."—M.D., Ch.B., Upper Gloucester-pl., N.W.

"I was a user of Sanatogen; I find Sanaphos preferable. If there were no Sanaphos, I still would recommend Sanatogen or any other German product."—M.R.C.S., M.R.C.P., Devon.

"I now prescribe Sanaphos as it is better and more palatable than Sanatogen."—L.R.C.P.S.I., D.P.H. Lond., Co. Fermanagh.

"I have used both Sanaphos and Sanatogen, and I believe Sanaphos is superior to Sanatogen."—M.B., B.Ch., etc., Bewdley.

"I have abandoned Sanatogen for Sanaphos, as I consider the latter to be superior."—M.R.C.S., etc., Aylesbury.

"I have used Sanatogen for years, but shall never do so again, finding Sanaphos superior in every way."—L.R.C.P., M.R.C.S., etc., Newport, Mon.

"Far superior to Sanatogen."—L.D.S. Eng., Preston.

"A few weeks ago the representative of Sanatogen called upon me 'to remind me that Sanatogen was still being made.' I entirely refused to reinstate the product in my prescription, and told him that I should never support the business of an alien enemy. He told me that Wulfing would never be *allowed* to trade in England again, but I think that is extremely unlikely. I hope that he will not trade here again—through lack of customers. I have ordered Sanaphos lately in a post-operation case, and my patient expressed her satisfaction."—Dr., Hampstead, N.W.

"I gave Sanaphos to a small nephew of mine, aged five years, suffering from great emaciation, anæmia, and neurasthenia after a second operation for radical cure for hernia. The child soon commenced to respond to his new food, and is now a strong, healthy, and very active boy—due, I am sure, to Sanaphos. This induced me to give Sanaphos to two children much [illegible] diphtheria. The [illegible]

"Some time ago I gave Sanaphos to a 'nerve case,' and was much gratified and surprised at the change effected after some two or three weeks' use."—M.D., Newcastle-on-Tyne.

"Members of my family were all run down after rather severe attacks of influenza. In each case there was rapid and marked improvement in health and strength and colour after a course of Sanaphos. I have also given Sanaphos to patients, pointing out that it was to be considered a food and not a medicine in the ordinary sense. These without exception are in better health. I may also state that in the past I have both taken and advised the use of Sanatogen, but I am certain the new product, Sanaphos, is a much better article, as it is much more soluble and infinitely pleasanter to take. The older preparation always left a deposit in the drinking vessel, which might be described as almost gritty and was decidedly unpleasant—to myself, at least. I have no doubt as to the efficacy and general superiority of Sanaphos."—M.D., Ladbroke-grove, W.

"My husband (Dr. ——), to whom you sent the samples of Sanaphos, wishes me to write and thank you. He is suffering with neuritis, and has derived benefit from Sanaphos."—Ben Rhydding, Yks.

"Personally I have found that Sanaphos is superior to Sanatogen, and so have my patients."—Dr., Salop.

"Having used both Sanatogen and latterly Sanaphos, it is my opinion that Sanaphos is much the superior article and should always be ordered by medical men."—M.B., C.H.M., S. Devon.

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"All my patients prefer Sanaphos."—L.R.C.P and L.M., London, S.W.

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No. 235 APRIL 15, 1916

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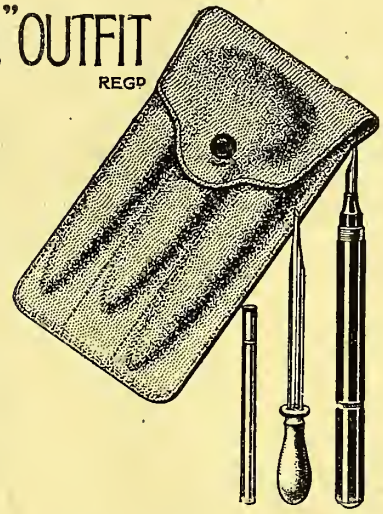

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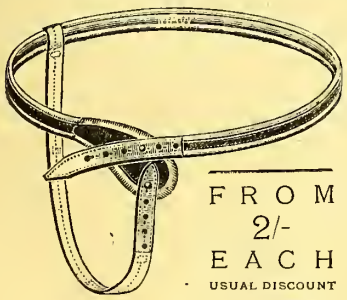

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. . . .

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. . . .

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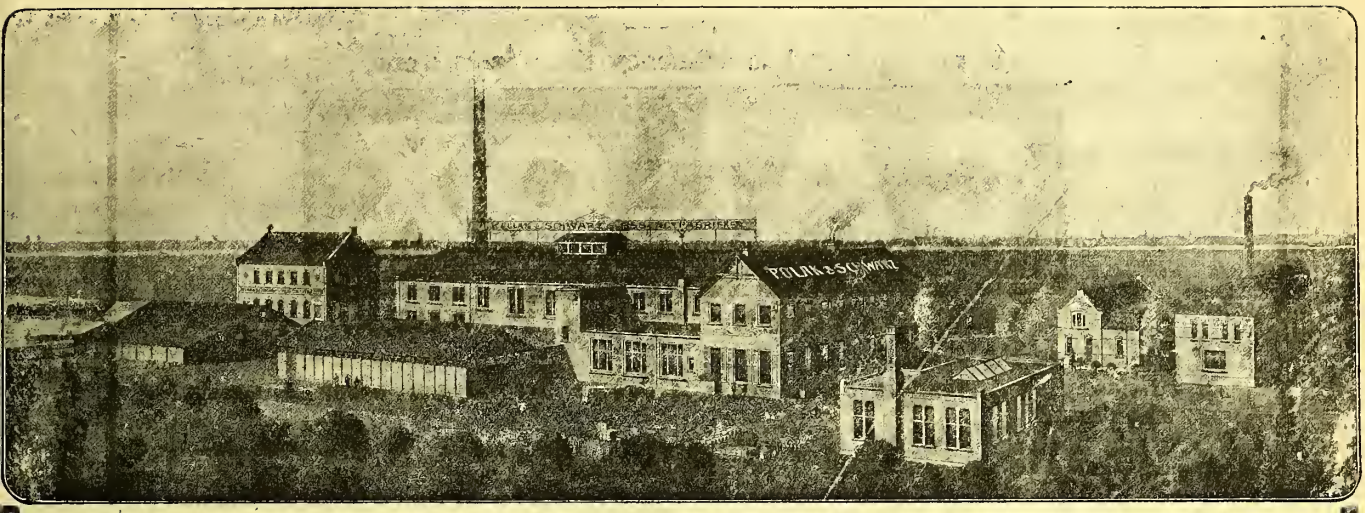



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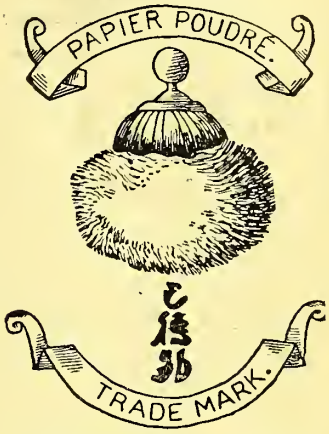


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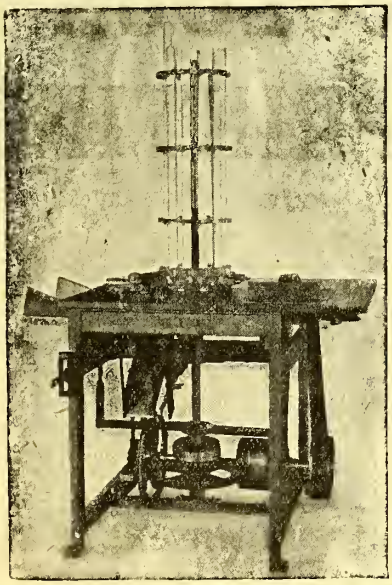

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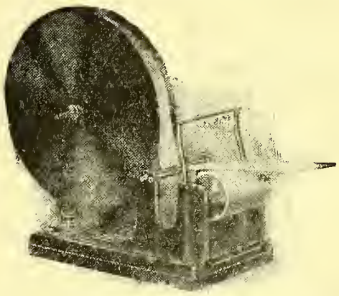

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"EXTIRMO" is on the P.A.T.A. List.
"EXTIRMO" kills and mummifies RATS, MICE, BEETLES and COCKROACHES and leaves no smell.
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**GOOD PROFIT.**

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Mr. Wearing, Chemist, Woking, writes:—"I have endless testimonials of the wonderful effects of your 'Rodine Rat Poison. It has the double effect of giving you a good profit and drawing new customers who afterwards come back for other things and tell of the good results from using 'Rodine.'"

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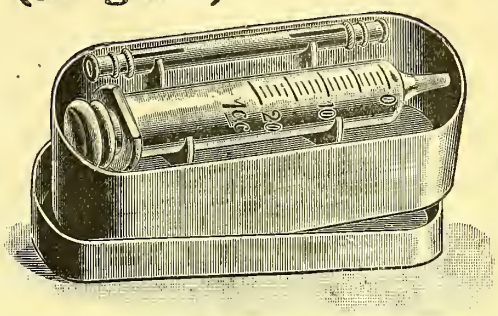

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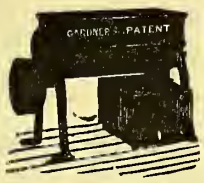


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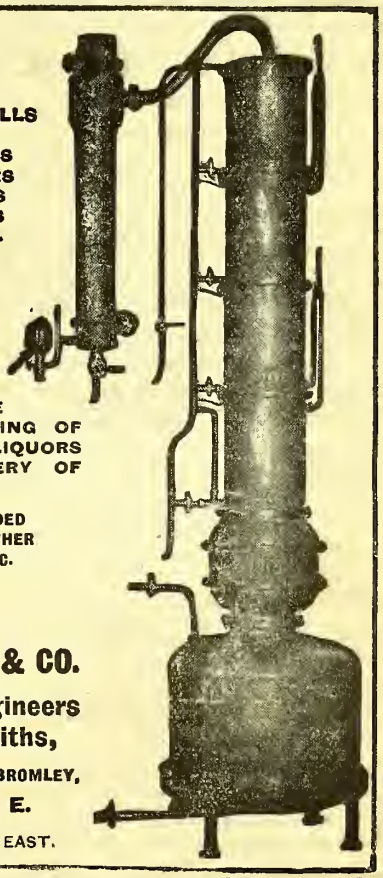

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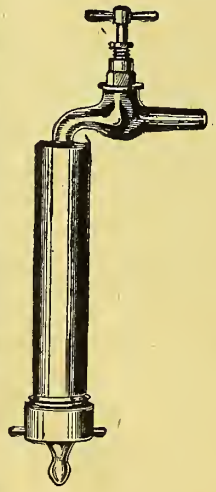

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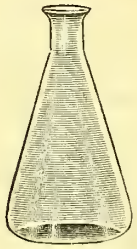

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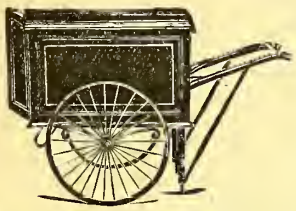

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**A Weekly Journal of Pharmacy and of the Chemical and Drug Trades**
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### Easter Holidays.

The *C. & D.* will next week close for press on Wednesday. Advertisements (Supplement and others) and contributions should be delivered to us before noon on that day.

The following London business houses will close for the Easter holidays from Thursday evening, April 20, to Tuesday morning, April 25 (see also *C. & D.*, April 8, p. 39):

Stafford Allen & Sons, Ltd., Cowper Street, Finsbury, E.C.
Baiss Bros. & Stevenson, Ltd., Grange Road, S.E.
Arthur Berton, Ltd., 15-17 Worship Street, E.C.
Boulton-Macro, Ltd., Crayford Mills, Stratford, E.
The British Drug Houses, Ltd., 22-30 Graham Street, N.
Burgoyne, Burbidges & Co., East Ham.
Burroughs Wellcome & Co., Snow Hill Buildings, E.C.
*C. & D.* Offices, 42 Cannon Street, E.C.
Fairchild Brothers & Foster, Holborn Viaduct, E.C.
The Formalin Hygienic Co., Ltd., 3 Lloyd's Avenue, E.C.
Goodall, Backhouse & Co., 54 Southwark Street, S.E.
Harker, Stagg & Morgan, Ltd., Mile End.
S. Maw, Son & Sons, 7-12 Aldersgate Street, E.C.
May, Roberts & Co., Ltd., 7-11 Clerkenwell Road, E.C.
T. Morson & Son, Ltd., 14 Elm Street, Gray's Inn Road, W.C.
F. Newbery & Sons, Ltd., Charterhouse Square, E.C.
Parke, Davis & Co., 50 Beak Street, Regent Street, W.
R. J. Reuter, 69 Carter Lane, E.C.
Sangers, 258 Euston Road, N.W.
"Sanitas" Co., Ltd., Locksley Street, Limehouse, E.
Sparks, White & Co., Ltd., Albion Mills, Aldgate.
T. & H. Smith, Ltd., 22 City Road, E.C.
W. Toogood, Ltd., 77 Southwark Street, S.E.
T. Tyrer & Co., Ltd., Stratford.
Vincent Wood, 91-93 Newington Causeway, S.E.
Wright, Layman & Umney, Ltd., Southwark.
C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, London, E.C., will close on Friday, April 21, and Monday, April 24.

# European War News.

### Miscellaneous.

The Board of Trade have issued a general licence permitting the importation of lignum vitæ and sandalwood.

Export of Glycerin.—One of our subscribers has been informed that preparations containing more than 1 per cent. of glycerin cannot be exported without a licence.

Official Secrets Act.—At the Mansion House Police Court on April 12, Thos. W. Gimbert and Adolph C. C. Markham were committed for trial upon a charge of possession of Board of Trade documents. See *C. & D.*, April 1, p. 36, and April 8, p. 35.

Roumania has pleased Germany lately, with the result that our enemy is sending Roumania 6,000,000*l.* worth of raw materials, including drugs, and is allowing sixty truckloads of drugs from Switzerland to go through, as well as thirty-five locomotives ordered in Germany before the war.

Contraband of War.—A new list of articles to be treated as absolute contraband of war includes metallic chlorides, except chloride of sodium; metalloidic chlorides; halogen compounds of carbon; starch; borax, boric acid, and other boron compounds; sabadilla-seeds and preparations therefrom.

Recruiting of Chemists.—The National Health Insurance Commissioners have issued a memorandum to Insurance Committees supplementary to Memo. 222/I.C., dealing with the recruiting of chemists, and calling attention to the revised list of certified occupations. (See *C. & D.*, April 8, p. 414.)

Approved Chinese Firms.—The following are among those published in the "London Gazette" of April 11: Central Hospital, Peking; Foreign and China Dispensary, Shanghai; Lo Wai Dispensary, Canton; Seng Ann Hong Kee Dispensary, Swatow; Tshun Tak Dispensary, Swatow; Yat Ling Dispensary, Swatow; Yuen Sui Chang Dispensary, Swatow.

Enemy Firms Wound Up.—The latest additions to the enemy firms and companies wound up include: Oettinger & Heidecker, 5 Jewin Street, London, E.C., bronze-powder manufacturers; Patermann Brothers, Regent House, Kingsway, London, W.C., chemical-food manufacturers; Berkefeld Filter Co., Ltd., 121 Oxford Street, London, W., filter and pump manufacturers.

Export of Photographic Plates.—The War Trade Department, 4 Central Buildings, Westminster, London, S.W., has issued a notice regarding the prohibition of the export of sensitive photographic plates, etc., cinematograph-films, and sound-records. Exposed but undeveloped plates can only be allowed to leave the country in very exceptional circumstances, and licence to export unexposed plates, etc., will only be granted to manufacturers and their approved agents.

### Military Tribunals.

The following are some of the cases of trade interest which have been reported since our last issue:

Aberlour.—Mr. Geo. Macpherson Smith, chemist and druggist, appealed against the decision of the Tribunal, which only allowed him two months' exemption from military service. It was pointed out that applicant's father, being eighty years of age, is not able to do much shop-work, and that there are four people dependent upon applicant. The case was adjourned till further information is available in regard to the position of panel chemists.

Bath.—On April 6, W. H. Pegler, storekeeper to Boots, Ltd., who had been certified as fit for garrison duty at home, was granted exemption on domestic grounds.—E. R. Rees, a student at the College of Pharmacy, was exempted until May 1 to give him time to enter for his pharmaceutical examination.

Berwick-on-Tweed.—On April 5, Reginald Barrie, assistant to Mr. John Brown, Ph.C., who dispenses at the local military hospital, and stated to be physically unfit, was ordered to submit to a medical examination.

Bourton-on-the-Water.—Mr. Percy Horne, chemist and druggist, the only chemist within a radius of four miles, was at Stow-on-the-Wold exempted from military service until October 30.

Brighton.—The case of an analytical chemist to a firm of patent-medicine manufacturers was adjourned. Applicant holds a certificate of unfitness, and had sent a photograph of the document to the recruiting authorities.

Burnham (Somerset).—Exemption was granted to Mr. Ronald Hutchin, chemist and druggist, owing to ill-health.

Carlisle.—On April 3, Mr. Anthony Nichol, Ph.C., was refused exemption for Robert Rutherford, his senior apprentice.

Crayford.—At Dartford on April 6, Mr. R. A. Waddell, chemist and druggist, Crayford, was granted a month's exemption from military service.

Epping.—Six months' exemption was granted to William Woods, assistant to Mr. E. H Slater, chemist and druggist.

Exeter.—On April 8, the application for exemption of C. J. Moore, assistant with Evans, Gadd & Co., Ltd., was refused.—At the Devon Appeal Court the application of W. H. Clark, dispenser to Dr. Stokes, was refused, although applicant had only been passed for home service.

Farnborough.—Exemption was granted to Mr. Percy Horsfield, chemist and druggist, assistant to Mr. E. Litchfield, chemist and druggist.

Gillingham.—Two months' exemption was granted to George M. Taylor and J. H. Torrington, assistants with Mr. C. E. Beveridge, chemist and druggist, who has two shops at Gillingham and one at Chatham.

Grantham.—The military authorities appealed against the decision of the local Tribunal to grant exemption until June 1 to John Hotter, assistant to Mr. J. Newcombe, chemist and druggist. The appeal was allowed

Halesowen.—One month's exemption was granted to Mr. T. W. Price, a director of A. S. Price & Co., Ltd., manufacturers of egg-substitutes and custard-powder.

Horsham.—The case of a dispenser under the National Insurance Act who is not qualified was adjourned for a month so that the Insurance Commissioners could be communicated with.

Hove.—On April 4, a confidential clerk to a firm of wholesale chemists, who takes down prescriptions over the telephone, was granted exemption until April 18.

Hull.—The proprietor of a chemist's shop was refused exemption for his manager, and was not given leave to appeal as no principle was involved in the case.

Leighton Buzzard.—Exemption was granted to a qualified chemist.—The manager of Durrell & Bendy's drug-stores, Wendover, was refused exemption, although the Military Representative said the shop was for the convenience principally of officers at Halton Camp.

Llanbyther.—Two months' exemption was granted to a chemist's apprentice, who, his employer claimed, is indispensable, although he had only been with him since February.

Llanelly.—A chemist was at the Carmarthen Appeal Tribunal granted exemption for his son, two other sons being already in the Army.

Oxford.—Mr. Cuthbert Forster, chemist and druggist, manager for Mr. J. Burbank, chemist and druggist, was granted exemption on medical grounds.

Reading.—Mr. Robert Wood, chemist and druggist, who is an Insurance dispenser, and whose two assistants have joined the Forces, was granted conditional exemption.

Reigate.—Mr. R. H. Williams, manager of the Bell Street shop of Mr. F. Rogers, chemist and druggist, was exempted until July 1.

Rochdale.—The appeal for exemption of Mr. W. Stewart, chemist's manager, was refused. Applicant stated that he had tried six times to join the Royal Army Medical Corps and once the infantry, and was still prepared to join the R.A.M.C.—Conditional exemption was granted to Mr. Frederick Pickering, chemist and druggist.

Rugby.—An Insurance dispenser who has joined the Friends' Ambulance Unit was granted conditional exemption on conscientious grounds.

Salisbury.—Exemption until May 1 was allowed to an assistant with a firm of wholesale chemists. He was stated to possess trade secrets of cough-mixtures and other preparations.

Sandwich.—Mr. F. J. Dyer, chemist and druggist, manager of Walker & Harris's branch-shop at Sandwich, was refused exemption at the East Kent Appeal Court on April 5. The Military Representative said that the two other chemists' shops in Sandwich are sufficient for the needs of the neighbourhood.

Saxmundham.—Conditional exemption was granted to a chemist on the ground that he is in a reserved occupation and is the only chemist within a radius of five miles.

Shanklin.—Mr. Archibald Pearn, chemist and druggist, with the Timothy White Co., Ltd., and the only qualified chemist at the branch, was granted conditional exemption.

Southend-on-Sea.—Mr. J. O. Boulton, chemist and druggist, was refused exemption for his unqualified assistant, who is employed in dispensing Insurance prescriptions.—Mr. John Hillen, chemist and druggist, was granted exemption for his son Harold until July 1.

Southwark.—Mr. Vincent Wood, surgical-instrument manufacturer, 4 Albion Place, Commercial Street, London, S.E., was granted exemption for a surgical-instrument maker who is engaged in a certified occupation.

Stroud.—The manager of a branch chemist's shop in Russell Street was refused exemption for a porter who is employed in mixing agricultural fertilisers.

Watford.—On April 12 exemption was granted to W. R. Samways, manager of a branch business where medicines are supplied to munition workers and under the Insurance Act.

Winchester.—Exemption was refused to a pharmaceutical student, the only assistant left with a local chemist.

Wolverhampton.—On April 6, a chemist's assistant who had already been refused exemption, made a fresh application, and was again refused.

Worksop.—A chemist, the only person on the premises who could compound drugs, was granted exemption until July 1.

Worthing.—An assistant with Boots, Ltd., claimed exemption as an Insurance dispenser, and because he is studying for his Qualifying examination. The appeal was dismissed on these grounds, but a claim on the ground of health was adjourned for the production of a medical certificate.

# Trade-marks Applied for.

**The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.**

(*From the "Trade-marks Journal," March 22, 1916.*)

"Novothæsin"; for medicinal chemicals (3). By the Western Dental Manufacturing Co. (1914), Ltd., Denmark Road, West Ealing. 371,508.

"Argacine"; for medicinal chemicals (3). By M. J. Oliviero, 87 Rue Denfert-Rochereau, Paris. 371,710.

"Allies"; for medicinal chemicals (3). By Alice Andrews-Dale, 27 Treesdale Road, Harrogate. 371,759.

"Paraloid"; for sanitary sheeting (40). By I. B. Kleinert Rubber Co., 63 Basinghall Street, London, E.C. 371,492.

Floral shield-device; for perfumery, etc. (48). By Boot's Pure Drug Co., Ltd., Nottingham. 370,850. (Associated.)

"Bermusa"; for perfumery, etc. (48). By Deedman & Crowther, 32 Hawstead Road, Catford, S.E. 371,390.

Circular device with shield and words "Vinolia All Alike Perfect"; for perfumery, etc. (48). By Vinolia Co., Ltd., London, E.C. 371,425. (Associated.)

"Tonkohl"; for all goods (48). By Maison Nicol, 50 Haymarket, S.W. 371,465.

(*From "The Trade-marks Journal," March 29, 1916.*)

"Bacto-oxgall"; for oxgall preparations (1). By May & Baker, Ltd., Battersea, S.W. 371,289.

Device of map of United Kingdom and letters B.D.H. (map disclaimed); for goods (1, 2, 3, 8, 11, 42, 43, 44, 48). Same device surrounded by words "The British Drug Houses, Limited, London"; for goods (1, 2, 3, 42, 44, 47, and 48). By The British Drug Houses, Ltd., 22-30 Graham Street, City Road, N. 371,441/50. 371,451/57. (Associated.)

"Monomet"; for photographic developers (1). By White Band Manufacturing Co., Ltd., 121 Selsdon Road, South Croydon. 371,657.

"Steroglaze"; for chemicals (1). By Pinchin, Johnson & Co., Ltd., 26 and 27 Bevis Marks, London, E.C. 371,717.

"Emdoin" and "Emdex"; for medicinal chemicals (3). By F. E. Powell, 18 The Crescent, Chiswick, W. 371,499/500. (Associated.)

"Neutrexo"; for medicinal chemicals (3). By the Lord Mayor, Aldermen, and Citizens of Belfast. 371,518.

"Ivicona"; for all goods (3). By the Fragrant Essence Co., 77 Camden Road, London, N.W. 371,623.

"Albonoids" and "Albonettes"; for all goods (3). By Stotherts, Ltd., Atherton. 371,644/5. (Associated.)

"Dryn-Oz" over facsimile signature "W. G. Powell" ("Dryn-Oz" disclaimed); for all goods (3). By W. G. Powell, 36 Marina, St. Leonards-on-Sea. 371,650.

"Regelin"; for medicinal chemicals (3). By Regesan, Ltd., Trent Street, Nottingham. 371,742. (Associated.)

"Anesthocaïne"; for medicinal chemicals (3). By G. Tixier, 33 Rue Daguerre, Paris. 371,772.

"Novavita"; for non-medicated apparatus for reviving the apparently drowned, etc. (11). By R. H. Davis, 187 Westminster Bridge Road, S.E. 371,604.

"Zopla"; for non-medicated surgical instruments, etc. (11). By Leslies, Ltd., 18 Eldon Street, E.C. 371,703.

"Antiseborrhine"; for hair preparations (48). By G. W. Wise, 26 Craven Terrace, Bayswater, W. 370,417.

"Thelma"; for goods (48). By Haywards, 35 Leicester Square, Walsall. 371,326.

"Lactocal"; for a material made from an animal substance (50). By H. C. Dutton, 18 Sheen Road, Richmond. 371,282.

# English and Welsh News.

**Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.**

### Retail Prices.

The following are prices quoted in the Members' Circular issued by the Civil Service Supply Association, Ltd., for April:

Acid, boric (crystals or powder), lb. 7½*d.*
Acid, citric, lb. 3*s.* 6*d.*
Acid, tartaric, lb. 3*s.* 2*d.*
Alum, powdered or lump, lb. 2*d.*
Ammonia, liquid, 4-oz. corked bottle 4*d.*
Balsam, Friar's, 1-oz. bottle 6*d.*, 2-oz. 11½*d.*
Borax, lump or powder, 1 lb. 4½*d.*, 7 lb. 2*s.* 7*d.*
Chamomile-flowers, 2 oz. 3½*d.*, lb. 2*s.*
Camphor, best English refined, 1-oz. tablets 2½*d.* each, lb. 2*s.* 10*d.*, (in blocks) ¼ lb. 8½*d.*, ½ lb. 1*s.* 4*d.*, lb. 2*s.* 8*d.*
Cascara sagrada, liquid extract, 2-oz. bottle 5½*d.*, 4-oz. 10½*d.*
Chloric ether, 2-oz. bottle 11*d.*
Citrate of iron and quinine (Howards'), ½ oz. 8½*d.*, 1 oz. 1*s.* 4*d.*
Cod-liver oil, 8 oz. 1*s.* 3*d.*, 16 oz. 2*s.* 5*d.*, 32 oz. 4*s.* 6*d.*, 1 gall. (including jar) 20*s.*
Cod-liver oil emulsion, 6 oz. 10*d.*, 12 oz. 1*s.* 7*d.*, 24 oz. 3*s.*, ½ gal. 8*s.*
Cotton-wool, absorbent, lb. 1*s.* 4½*d.*
Cream of tartar, lb. 2*s.* 6*d.*
French chalk, lb. 3*d.*
Glycerin, pure, 5-oz. bottle 8*d.*, 10-oz. 1*s.* 2*d.*, 20-oz. 2*s.*
Linseed, crushed, 1 lb. 4*d.*, 7 lb. 2*s.* 1*d.*
Lint, boric, ¼ lb. 6½*d.*, 1 lb. 1*s.* 10*d.*, (surgeons') ¼ lb. 7*d.*, 1 lb. 2*s.*
Malt extract, jar, 1 lb. 11*d.*, 2 lb. 1*s.* 8*d.*, 7 lb. 4*s.* 6*d.*; with cod-liver oil, jar, 1 lb. 1*s.* 2*d.*, 2 lb. 2*s.* 1*d.*, 4 lb. 4*s.*, 7 lb. 6*s.* 6*d.*
Oil, castor (tasteless), 2 oz. 5½*d.*, 5 oz. 10*d.*, (ordinary) 4 oz. 6*d.*, 8 oz. 10*d.*, 16 oz 1*s.* 6*d.*, 32 oz. 2*s.* 10*d.*
Oil, eucalyptus, 1-oz. bottle 5½*d.*, 3-oz. 10*d.*, 6-oz. 1*s.* 5*d.*
Oil, olive, pure, medicinal, 8-oz. bottle 11½*d.*, 16-oz. 1*s.* 9*d.*
Ointment, boric, tin 1*d.*, doz. 10*d.*, 2-oz. pot 6*d.*
Paraffin, pure, liquid, 8-oz. bottle 10½*d.*, 16-oz. 1*s.* 8*d.*, 40-oz. 3*s.* 10*d.*, or in jars, ½-gal. 7*s.* 6*d.*, 1-gal. 14*s.*
Quinine sulphate (Howards'), ⅛-oz. bottle 7*d.*, ¼-oz. 1*s.*, ½-oz. 1*s.* 10*d.*, 1-oz. 3*s.* 6*d.*
Quinine wine, orange, 16-oz. bottle 11*d.*
Senna, confection of, 4-oz. jar 5½*d.*
Senna-leaves, 2-oz. packets 2½*d.*
Senna-pods, Alexandrian, 1 oz. 3*d.*, 2 oz. 5½*d.*, 1 lb. 3*s.* 3*d.*
Soda, bicarbonate, 1 lb. 2½*d.*, 7 lb. 1*s.* 2*d.*
Spirits: Camphor, 2 oz. 10*d.*, 4 oz. 1*s.* 5*d.*; hartshorn, 8-oz bottle 4*d.*; lavender, 4 oz. 1*s.* 8*d.*; nitre, 2 oz. 10*d.*, 4 oz. 1*s.* 5*d.*; methylated, quart glass 1*s.* 7*d.*, stone 1*s.* 8*d.*, 1 gal. 5*s.* 6*d.* plus 10*d.* jar, 2 gal. 11*s.* plus 2*s.* 5*d.* tin, 4 gal. 22*s.* plus 4*s.* tin; sal volatile, 2 oz. 8½*d.*, 4 oz. 1*s.* 2*d.*
Sulphur, sublimed, 1 lb. 3½*d.*
Tinctures: Arnica, 1 oz. 5*d.*, 4 oz. 1*s.* 2*d.*; bark, 4 oz. 3*d.*; benzoin (simp.) 1 oz. 5½*d.*, 2 oz. 10*d.*; cardamoms, comp., 4-oz. bottle, 11½*d.*; gentian, 4 oz. 1*s.*; iodine, 1 oz. 8½*d.*, 2 oz. 1*s.* 3*d.*; myrrh, 2 oz. 11*d.*, 4 oz. 1*s.* 9*d.*; myrrh and borax, 2 oz. 11½*d.*, 4 oz. 1*s.* 9*d.*; orange-peel, 4 oz. 1*s.* 6*d.*; quinine, 4 oz. 2*s.* 4*d.*; quinine, ammoniated, 2 oz. 10*d.*, 4 oz. 1*s.* 7*d.*; quinine and cinnamon, ammon., 1*s.* 7*d.*; rhubarb, 4 oz. 1*s.*; senna co., 4 oz. 1*s.* 2*d.*
Turpentine, rectified, pint 1*s.*, quart 1*s.* 11*d.*
Waterglass, quart 11½*d.*, ½ gal. 1*s.* 7*d.*, 1 gal. 2*s.* 6*d.*

The prices of many proprietary articles are also quoted.

The West Bromwich Pharmaceutical Association issued the following on April 11:

Chemicals: Ammonium carbonate (commercial), 1 oz. 1*d.*, 4 oz. 3*d.*, ½ lb. 5½*d.*; glycerin, 1 oz. 3*d.*, 2 oz. 5½*d.*, 4 oz. 10½*d.* (limited quantities); glycerin and rose-water, 1 oz. 2*d.*, 2 oz. 3½*d.*, 4 oz. 6½*d.*; methylated spirit, 1*s.* pint; oxalic acid, 1 oz. 2½*d.*, 2 oz. 4½*d.*, 4 oz. 8½*d.*; potassium chlorate, 1 oz. 3*d.*, ¼ lb. 10*d.*; spirit of salts, 8*d.* lb.; milk of sulphur, 1 oz. 1½*d.*, 2 oz. 2½*d.*, ¼ lb. 4½*d.* Vitriol, 1*s.* lb. Soft soap, B.P., 1 oz. 2*d.*, 2 oz. 3½*d.*, ¼ lb. 6*d.*
Proprietary Goods: Andrews' liver salt, 5½*d.* and 10½*d.*; Colgate's shaving-sticks, 1*s.*; Himrod's asthma-cure, 2*s.* 11*d.*; Koko, 1*s.*, 2*s.* 3*d.*, 4*s.*; Kolynos, note new price, 1*s.*; Potter's asthma-cure, 1*s.*; "Sanitas" fluid, 8*d.* and 1*s.* 3*d.*; Vinolia soap. Premier, 4*d.* tabs., 1*s.* boxes; Vinolia Royal shaving-stick, 10*d.*
Sundries: Carriage candles, 8*d.* lb.; health salt, 4-oz. tins 5½*d.*, 8-oz. 10½*d.*; night lights, all makes, advance to 6*d.* per box; toilet-soaps (2*d.*) now 2½*d.*, 3 for 7*d.*, 2*s.* 3*d.* doz.

### Cultivation of Medicinal Drugs.

At a meeting of the Royal Horticultural Society, London, on April 11, a paper was read by Mr. E M. Holmes, Curator of the Pharmaceutical Society's museum, on the cultivation of medicinal plants in Great Britain. The hall was inconveniently crowded, and many people were unable to gain admittance. The lecture was read by a gentleman with a resounding voice, while Mr. Holmes himself showed, with explanatory references, specimens of leaves and roots that were on exhibition. In his introductory remarks Mr. Holmes said that he himself had grown in his garden at Sevenoaks nearly every medicinal plant that will grow in the English climate, yet we had come to be dependent mainly on Germany and Austria for our supply of medicinal herbs. The importation of cheap foreign drugs had resulted in pharmacists who tried to supply first-class home-grown drugs only with difficulty making a living. Aconite-root was taken as an example. It no longer pays to cultivate it in this country, but now that the British Pharmacopœia specifies English root, the cultivation should revive. The variation in the activity of *Cannabis indica* was also discussed, and the lecturer then proceeded to give illustrations of what could actually be done in this country, selecting belladonna and digitalis as the examples. Belladonna is a perennial plant, growing in calcareous soil, and all that is needed is for landowners and owners of country houses and large gardens to get supplies of seed and sow this in suitable localities. Enormous quantities of digitalis grow wild, and it can also be cultivated at small expense. Belladonna is found in twenty-eight counties in England, and we could easily become independent of Germany and Austria for this plant and for digitalis. Reference was also made to centaury and some other plants in large demand. As to collecting the herbs, children should be taught in the schools to recognise all the medicinal herbs cultivated or grown in their districts, and to gather them at the proper season. This is the German way.

[In anticipation of this lecture, articles have appeared in the newspapers. One on herb-farming in "The Times" of April 7 mentions digitalis, dandelion, chamomile, belladonna, and aconite as the most promising plants to grow. Subscribers who want to know more about the subject should write to the Secretary of the Herb-Growing Association, 45-46 Queen Anne's Chambers, Westminster, S.W.]

### Contracts for Drugs, etc.

The following tenders have been accepted by Boards of Guardians:

Berwick-on-Tweed.—Mr. N. M. Craig and Mr. W. J. Black, Tweedmouth, medicines.

Croydon (Mental Hospital).—Society of Apothecaries, drugs and druggists' sundries.

Evesham.—Mr. W. J. Craven, chemist and druggist, drugs.

Faversham.—Mr. T. J. Thomas, chemist and druggist, disinfectants.

Liverpool.—Evans Sons Lescher & Webb, Ltd., for druggists' sundries, and R. Sumner & Co., Ltd., for drugs to the city hospitals for three months.

Manchester.—Mottershead & Co., drugs; Liverpool Lint Co., surgical dressings; Hill, Sons & Wallace, Ltd., turpentine substitute W.W.; Jewsbury & Brown and Westmacott & Sons, mineral waters; Camwal, Ltd., potash and soda water.

Merthyr Tydfil (Borough Hospital).—Mr. V. A. Wills, chemist and druggist, disinfectants.

Romsey.—Mr. F. Oram, Ph.C., drugs and surgical dressings.

South Stoneham.—Bates & Co., Southampton, medical requisites.

### Birmingham.

The Boy Scouts' collection of bottles is to begin in Lozell's Ward shortly after Easter.

Boots Cash Chemists, Ltd., have secured an important site at the corner of Market Square and High Street, Tunstall, on which they are building an imposing shop with a large window frontage.

The first annual meeting of the Birmingham Ucal Club was held at the Exchange Restaurant on Wednesday, April 5. Mr. Charles Thompson, owing to pressure of many other public duties, declined the presidency for another year, and was succeeded by Mr. G. Hampton.

The shop in which for many years a good-class chemist's business was carried on by Mr. Bennett in High Street, Tunstall, is now vacant, and looks as if it had not had a tenant for several years. The shop formerly occupied by Mr. Featherstone in Market Square is not now used as a chemist's shop.

### Liverpool.

The branch post-offices in the Liverpool district have adopted early, earlier, and earliest closing, with the result that the pharmacists are beset with appeals for stamps. In self-protection they cry out to the Postmaster-General for automatic-supply machines outside the closed offices.

A youth employed on Government work bought a hair-brush from a city chemist and druggist the other day. The price was 10*s.* 6*d.* Nothing at less cost would suit his taste and overflowing purse. He had drawn 36*s.* for the week's wages and overtime. A man asked for a soporific, as he was netting at least 100*l.* weekly, and could not sleep for mental excitement.

With the assistance of a Liverpool firm of wholesale chemists, a local manufacturer has patented an article of general utility which is about to be offered for sale through wholesalers and pharmacists, as the retailers most competent

to recognise and describe its merits. A *C. & D.* representative has seen specimens of the finished article, on which the opinion of the trade will shortly be invited.

Mr. William P. Evans (President of the Liverpool C.A.) has been confined to his room for about a week with a sharp attack of influenza. He, however, returned to his office on Tuesday, and expressed to a *C. & D.* representative a resolution to attend an open meeting of the Association on Wednesday night, to hear from Mr. L. Moreton Parry an account of his stewardship as a member of the Pharmaceutical Council.

R. Lyon & Co. sold by auction on April 12 at the General Brokers' Exchange, Liverpool, a quantity of damaged cargo. The attendance overflowed the room and bidding was brisk. In considering the prices it should be borne in mind that most of the lots had been under water. The following prices were paid:

Gum benzoin (6 cwt.), 6*l.* 17*s.* 6*d.* per cwt.; block gambier (44 cwt.), 55*s.* per cwt.; 90 cases of Japan wax (about 15,970 lb.), 5¾*d.* per lb., and other lots at 4½*d.* and 5¼*d.*; paraffin wax (many tons) sold at from 20*s.* to 36*s.* per cwt.; beeswax (several tons) at from 6*l.* to 6*l.* 17*s.* 6*d.* per cwt.; carnauba wax (18 cwt.) at 6*l.* 7*s.* 6*d.* and ceresine at 47*s.* per cwt. Three tons of shellac sold at 92*s.* 6*d.* per cwt.; zinc white (175 cwt.) at 20*s.* 6*d.* per cwt.; magnesium carbonate at 3*s.* per cwt.; and 5 bags of "gum tragasol" at 5*s.* per cwt., while naphthalamine sold at 7*s.* per cwt., borax crystals 20*s.*, and powders 11*s.* per cwt., zinc chloride (40 cwt.) 52*s.* 6*d.* per cwt., cream of tartar (2 casks) 11*d.* per lb., and 35 bales of corks at 4*l.* per bale.

Thirteen barrels of castor oil were also offered and realised 5¼*d.* to 6½*d.* per lb. The sale was quite animated.

### Sheffield.

Window-displays of virol are a feature in the majority of Sheffield pharmacies. It is, in fact, a "Virol week" here.

Dr. W. E. S. Turner, reporting on the glass-industry of Yorkshire, states that steps are being taken to place it on a scientific basis to enable British glass-makers to compete with Germany. Day, evening, and Saturday courses of study are to be inaugurated at the University, and diplomas and degrees will be granted as in other branches of science.

In view of the interest taken in recruiting in Sheffield, the following figures are given: The needs of pharmacy in sixty-eight shops have been considered by the Joint Committee in conjunction with the Military Representative, these covering the cases of seventy-two qualified men and thirty-five unqualified assistants. One qualified assistant, three unqualified married and three unqualified single assistants were refused exemption, and the cases of four other assistants were adjourned. The Military Representative is now asking for the group and nominal roll numbers of all the applicants. All the single men and the great majority of the married had attested. The figures given above do not include assistants with Boots, Ltd. Fifty members of the drug-trade in Sheffield have joined the Colours.

### Lighting Restrictions.

The following fines have been inflicted for breaches of the Lighting Order:

Blackburn.—Boots, Ltd., Church Street, 10*s.*, and 2*s.* costs.

Cranbrook.—Mr. John Turner, chemist and druggist, 20*s.*

Fenton.—Mr. S. J. Challinor, chemist and druggist, 10*s.*

Ledbury.—Mr. A. Stevens, chemist and druggist, 5*s.*

Lincoln.—Mr. W. E. Hill, chemist and druggist, 65 Carholme Road, 2*s.* 6*d.*

St. Ives (Hunts).—Mr. William Green, chemist and druggist, Somersham, 10*s.*

Stamford.—Mr. Silas Robinson, wholesale druggist, 10*s.*

Wisbech.—Mr. Colin Benson, chemist's manager, of Walsoken, 3*l.*

A summons against Mr. Bertrand Skidmore, chemist and druggist, Nantwich, was dismissed.

### Miscellaneous.

The Drug Department of the Heckmondwike Co-operative Society made a profit at the rate of 2*s.* 1½*d.* in the pound for the March quarter.

A Woman of thirty-seven gave birth to a male child in the pharmacy of Alderman John Brooks, J.P., High Street, East Ham, on April 3.

The Wellcome Physiological Laboratories are referred to in "The Field," April 8, several photographs being used to illustrate the remarks.

Poison-licences.—The Manchester Sanitary Committee has granted poison-licences to Robert Armitage and Robert James Todd. They have also renewed seventeen licences (four being for assistants).

Reducing Expenses.—The Public Health Committee of the Bermondsey Borough Council recommended that 500*l.* should be estimated as the probable cost of the salary and fees of the public analyst for the next twelve months, against 600*l.* set aside in former years, and this was agreed to.

Some New Stories of "Dizzy" were printed by the "Evening News" on April 7. They were by Mr. E. Dangerfield, pharmacist, Weymouth, who was a chemist's apprentice in High Wycombe in the late 'sixties, and has contributed to the *C. & D.* for many years.

Fires.—A fire occurred on the premises of J. L. Bragg, Ltd., charcoal-biscuit makers, 14 Wigmore Street, Marylebone, London, W., on April 9, the basement being considerably damaged.—A fire broke out on April 8 on the premises of Fuller & Co., chemists, Rampant Horse Street, Norwich, which was promptly subdued by the brigade.

British Red Cross Society.—The Manchester Chemists' Assistants' (Rusholme Branch) Detachment has arranged for six weekly classes in first aid by Dr. Stopford. They will begin at the Medical School, Oxford Road, Manchester, on Wednesday, April 19, from 7.30 to 8.30 p.m., being followed by an hour's lecture beginning at the latter hour, bandaging and practical work being dealt with.

Women Chemists.—"The Sphere" publishes two pictures in regard to the employment of women as chemists and druggists. One shows the dispensing-department of the "Society of Women Pharmacists," Gordon Square, and the other the chemists' class at the Hammersmith School of the London County Council; half-a-dozen girls are shown in this under instruction by a woman.

Wine-licences.—The off wine-licence attached to the pharmacy of J. T. Davies, Ltd., of Swansea, has been transferred to Mr. J. B. Bowen.—The Heckmondwike Co-operative Society, Dewsbury, were refused a wine-licence for their chemist's shop in Westgate.—The Boston Borough Magistrates, on April 7, transferred the licence of Mr. C. F. Cook, chemist, 28 Strait Bargate, Boston, to Mr. E. A. Bailey, chemist and druggist.

Pharmacists' Volunteer Training Corps.—There are to be no lectures on bacteriology on April 19 and 20, but on Sunday, April 16, the Corps will proceed to Oxford to prepare the Easter camp. A list of promotions and winners of proficiency badges as the result of recent examinations has been issued which reflects great credit on the efficiency of the Corps. No fewer than sixty-eight members passed the Red Cross First-aid, Hygiene, and Sanitation examinations, and have done the forty drills specified.

Poisonings.—The following deaths from poison have been reported to us since our last issue: Mr. H. E. Russell, chemist and druggist, North Woolwich, took hydrocyanic acid while temporarily insane, and H. J. Brimley, B.Sc., took potassium cyanide at the Charing Cross Hotel, London. A midwife at Corby, Northamptonshire, died from the effect of taking a solution of corrosive sublimate made from soloids. A child at Forfar found some coated pills which he ate under the impression that they were sweets. The pills contained arsenic and strychnine and caused the death of the child. At Birstall, a man named Lockwood drank some aconite liniment with fatal result.

## Irish News.

**Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.**

### Pharmaceutical Society of Ireland.

The following are the results of the Preliminary examination held recently: Annie Eveline Wright, Portrush, and Joseph Stanislaus McGlade, Belfast, passed with honours. The following also passed: Samuel Irwin, Ballybay; Samuel Porter, Saintfield; John Aloysius Collins, Youghal; Eileen Clarke, Merrion; Catherine Slattery, Clonmel; John Nelligan, Youghal; Joseph Michael Branagan, Mullingar; Hugh Orr, Portaferry; Robert Henry Gilliland, Keady; Morgan Maurice O'Connell, Dublin; Teresa Mary Cleary, Hospital, co. Limerick. Eleven candidates were rejected.

### Brevities.

Sir Stanley Harrington has been elected Chairman of the Executive Council of the Cork Employers' Federation.

At the Courthouse, Bagnalstown, co. Carlow, last week, Mr. P. J. Ryan, Ph.C., was presented with a purse of sovereigns and a marble clock, suitably inscribed, by a large number of his friends, on the occasion of his departure for the West of Ireland.

### Earlier Closing in Belfast.

The early-closing movement in Belfast has advanced a further stage. Notice of the joint deputation to the Police Committee of the Corporation from the Ulster Drug-trade Association and the Chemists' and Druggists' Society of Ireland was sent in, but the Town Clerk suggested that these bodies should have an interview with the town solicitor. That interview took place, and there was a diversity of opinion as to whether or not the Corporation had power to make an order of the kind suggested that would be suitable to the trade. It was agreed that before waiting on the Committee the deputation should go further into the matter and make inquiries as to what local authorities across the Channel had done, and obtain copies of any closing orders for the trade in other centres. This inquiry is now in progress. In the meantime, however, district chemists are voluntarily arranging earlier closing-hours. Following the lead of the East Belfast pharmacists, those in the Lisburn Road district have announced their intention of fixing the same hours, and during the week ending April 15 an attempt will be made to get the Falls Road pharmacists and druggists to fall into line.

### Drug and Surgical-appliance Contracts.

The following contracts have been accepted by Irish Boards of Guardians since our last issue:

| Union | Medicines | Surgical Appliances |
|---|---|---|
| Ballina ... | Boileau & Boyd, 15% | Fannin & Co., 16% |
| Belfast... ... | Boileau & Boyd, 18¾% | Medical Supply Association (Belfast), 25% |
| Castleblayney | Boileau & Boyd, 15% | J. Clarke & Co., 22½% |
| Cavan ... ... | Boileau & Boyd, 15% | J. Clarke & Co., 24¾% |
| Lismore ... | Boileau & Boyd, 12½% | Fielding's Pharmacy 28% |
| Mallow... ... | Boileau & Boyd, 15% | Fielding's Pharmacy, 28% |
| Millstreet ... | Cork Chemical and Drug Co., 12½% | Fielding's Pharmacy, 26% |
| Thomastown ... | Boileau & Boyd, 12½% | Fannin & Co., 16% |

# Scottish News.

**Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.**

### Edinburgh.

Methylated spirit is now retailing at 1*d.* per oz., 1*s.* per reputed pint, and 1*s.* 10*d.* per reputed quart.

The majority of Edinburgh and Leith pharmacies will be closed on Monday, April 17, the spring holiday.

Miss Mary A. Crowden, 120 Marchmont Road, is one of the receivers of work for a sale of work in aid of funds for the endowment of Heriot beds in the Scottish Red Cross Hospital at Rouen.

Boots, Ltd., have closed the shop that Messrs. Inman had in Nicolson Street (once the premises of the Scottish Drug Depôt, Ltd.), retaining only Messrs. Gibson's pharmacy, a few doors distant, in this thoroughfare.

### Brevities.

Berwickshire County Council is spending 1*l.* on squill extract to kill rats.

Mr. A. C. Bonner, wholesale druggist, Aberdeen, obtained on April 11 a grocer's licence for premises in Palmerston Road.

Mr. H. R. Nightingale, of Nightingale & Fergusson, Aberdour and Denbeath, has obtained an appointment on the staff of H. C. Baildon & Co.

Wholesale houses are now affixing a slip-label to lists, intimating the new restrictions and guarantees required before any transactions in glycerin can take place.

Mr. R. C. Wilson Spence, youngest son of the late Dr. Robert Spence and of Mrs. Christina M. Spence, chemist and druggist, Linlithgow, has passed the Scottish Triple Medical examinations.

Claims against the late Alexander Davidson, Ph.C., Montrose, should be lodged with Myers & Wills, solicitors, Montrose. Mr. John Steven is to manage the business for Mrs. Davidson, the executrix.

Mr. John Innes, chemist, High Street, Elgin, has bought for 2,555*l.* the property in which his shop is situated and adjoining houses, which belonged to his late partner, ex-Provost Young, chemist and druggist.

# South African News.

**(From "C. & D." Correspondents.)**

**"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.**

### Cape Province.

Mr. H. Magness Elgar, one of the best-known men in South African pharmacy, has been in bad health for a long time, and when our correspondent wrote in March he was still in hospital at the Cape.

Business in Cape Province has slackened off a little, but not since the war began have prices been so high as they were when our correspondent wrote. Stocks are difficult to procure, advances in prices are made almost daily, and, as shipments are erratic, it is difficult to prophesy relief.

The Pharmaceutical Society's Lectures are to be as follows: "Our Smallest Friends and Foes," by Mr. W. E. Severn (Government Bacteriological Laboratory); "Insect-pests, and How to Fight Them," by Mr. Chas. W. Mally (Government Entomological Department); "A Peep in a Physiologist's Workshop," by Professor Jolly; "A Ramble through Italy," by Mr. J. Hutcheon, M.A., F.R.G.S.; and "A Chemist's Wand in a South African Waste-basket," by Mr. A. E. Scarles. All the lectures are to be illustrated, and they promise to be exceptionally entertaining.

Mr. William Aitken, the newly-elected President of the Pharmaceutical Society of Cape Province, is a nephew of Mr. Robert Aitken, proprietor of the well-known Edinburgh business of H. C. Baildon & Son. It was in that business that Mr. Aitken served his apprenticeship; he passed the Minor examination in Edinburgh in October 1895, then came to London, and was for two and a half years in the pharmacy of John Bell & Co., Oxford Street, where Mr. Robert Aitken and his son (Captain A. Campbell Aitken, of the Royal Scots) also were—Mr. Robert Aitken in the 'eighties, and Captain Aitken about ten years ago. After his experience in Bell's, Mr. William Aitken spent two seasons with M. Massel, Hyères, France; then, in 1901, went to South Africa as manager of Lennon's Wynberg branch, and in the following year started business in Long Street, Cape Town. The esteem in which he is held is shown by this latest honour conferred upon him.

Mr. W. Aitken.

Colonial Pharmacy Board.—Mr. A. Walsh was elected President at the meeting of the Board referred to in the *C. & D.* last week, p. 37. The Attorney-General advised the Board that registration as a chemist and druggist in the Transvaal does not in itself convey the right to any person to style himself a chemist and druggist in the Cape Province. A copy of this statement was ordered to be forwarded to the Public Prosecutor in connection with the acquirement of a business by a person who placed it in charge of a registered person, but put his own name and the words "Chemist and Druggist" outside the shop. In the course of the annual report it was stated that under Rule 31 as amended the following certificates will be accepted by the Board as sufficient evidence of the competency of any person holding the same to practise as a chemist and druggist in the Cape Province without further examination: Major of Great Britain and Minor certificate of the Pharmaceutical Society of Great Britain; Pharmaceutical Chemist's certificate of the Pharmaceutical Society of Ireland; examination certificates of the Pharmacy Board of Victoria, Pharmaceutical Society of Tasmania, and Pharmacy Board of Queensland. No other examination-certificate will be accepted, unless (*a*) the authority grants reciprocity to this Board; (*b*) the applicant submits with such certificate a declaration sworn before a Magistrate or Justice of the Peace (i) of personal identity, (ii) of the authenticity of the said certificate, (iii) of the fact that he is entitled to practise as a qualified chemist and druggist in the country where the said certificate was granted; and (*c*) the applicant's name appears in the current Register of the authority issuing the certificate; subject, however, to special arrangement by the Board in cases where the applicant wishes to register in the Cape the same year.

# Italian News.

Purer Food.—A move has been made in the direction of protecting foodstuffs from contamination. All substances intended for human consumption are required to be protected during transit by being enveloped in paper or some such means. Hotels, restaurants, cafés, and shops must protect from flies all perishable goods exposed for sale or consumption.

Medical Students.—Five- and six-year medical students are to have an accelerated course in order that the shortage of civilian doctors may be speedily remedied. This will also affect students of pharmacy in the final year of study. The number of pharmacists at present on active service is 1,897, of whom forty-nine were recently appointed sub-lieutenants. The "Official Gazette" states that during the war thirty lieutenant-colonels and forty-eight majors of the Military Sanitary Corps will be appointed over and above the usual complement or regulation number.

Packing Italian Essential Oils.—It has been reported that Italy no longer allows essential oils to be exported in copper containers, but in vessels made of tinplate. We understand, however, that copper for containers is obtainable as before, but at higher prices than prior to the outbreak of war. The only limitation which has been brought about is that the Italian Government only permits the exportation of essential oils in copper containers to England, France, U.S.A., and their Colonies; to all other countries the goods must be packed in tin containers.

Red Cross Amenities.—There has been an understanding between the Italian and Austrian Red Cross organisations which permits letters and telegrams to be sent to and from wounded prisoners in their native tongue. The International Red Cross Society has appealed for an armistice, when possible, after every engagement to allow of the collection of wounded, and permit of identifying and burying the dead, so as to do away with the pain and suffering caused to relatives by posting soldiers as "missing." The Italian Red Cross has thirty-one hospitals at the fighting front, supplied by 100 motor ambulances and twenty-two Red Cross trains. There are also 150 territorial hospitals, with 16,000 beds, 1,500 doctors, 2,000 volunteer nurses, and others in the service to the number of 8,000.

The Prices of Drugs.—A protest has been made by the College of Physicians regarding the increase in the price of drugs and chemicals, and other complaints have appeared in the lay Press. In consequence of these protests the Pharmacists' Association of Milan has issued a rejoinder notifying that the increase in price of medicines takes place from causes over which pharmacists have no control. It is added, in view of other suggestions, that municipalisation of pharmacies would not provide a remedy, as is shown from the fact that the State has had to increase the price of quinine, which is a monopoly. National industry is being organised for the manufacture of those chemicals which have hitherto been obtained from abroad, but time must be allowed for the fruition of these efforts.

# German News.

The "Deutsche Apotheker Verein" is not to hold its annual meeting in 1916.

Potable Spirits.—The sale of such spirits to the public has been prohibited by the Imperial Chancellor.

Yeast-food.—Several manufactories of so-called Delbrück's food-yeast have been founded in Germany with Government aid.

Saponin as Soap.—Following upon the recommendation of Kobert, pressed-seed cakes containing saponin are being used to mix with soap.

Fourth German War Loan.—Meister, Lucius & Brüning subscribed 6,000,000m. to this loan, and F. Bayer & Co. 6,200,000m., while their workmen subscribed 180,000m.

German Artists have been invited to design new and appropriate decorations for perfumery labels and packages, for which prizes amounting to 600m. are to be awarded.

Nickel being scarce in Germany, it has been forbidden to manufacture surgical instruments of that metal. Polished steel articles are to be supplied whenever nickel goods are ordered.

Women as Chemists.—The Heeresverwaltung is now employing a large number of women in the bacteriological and Röntgen laboratories. The Association of Women Chemists has at present 174 members.

In Place of Iodine.—An alcoholic solution of tannin (5 per cent. in spirit of 90 per cent.) is recommended at present in German medical papers ("Munch. med. Wochenschr.," etc.) as an excellent substitute for tincture of iodine.

The Berlin Police have issued a warning to pharmacists to be on their guard against the sale of salvarsan, as it is alleged that this medicament has been purchased repeatedly by persons who desire to send it to foreign countries.

Women in Chemistry.—The organ of the "Verein Deutscher Chemiker" states in an article based on the views of experienced chemists that women, for physical and other reasons, are not fitted for employment in many branches of chemistry.

Dr. Felix Goodman, pharmacist, and the director of the pharmaceutical subdivision of the Berlin branch establishment of the "Elberfelder Farbenfabriken," died suddenly on March 2, aged fifty-six. He was for many years Secretary of the Deutsche Pharmaceutische Gesellschaft.

Lard-substitute.—The German "Hageda" has introduced unguentum neutrale with a basis of ceresine, wool-fat, and liquid paraffin, with a view to replacing lard in pharmaceutical preparations and of economising the stocks of lanoline. The new base has a m.p. of 40° C., and absorbs considerable quantities of liquids.

Explosives Materials.—The scarcity of materials for the manufacture of explosives is increasing. Nevertheless, a technical society has been boasting that the country is now independent of all others for nitric acid and cellulose material; indeed, it is stated that at the end of the war Germany will be able to supply other countries with synthetic nitrates. This is pure boasting, for Germany has been buying nitrolim from Norway.

German Imports.—With a view to reducing imports into Germany, the importation has been prohibited of vanilla, ginger, synthetic perfumes, perfume oils, perfumes, and toilet-articles. The decree does not apply to medicinal and toilet soaps. Obviously the new decree applies to neutral countries, as the Allies ceased to send goods to Germany on the outbreak of the war. The "Pharm. Zeitung," however, sagely remarks that the importation of French and English patent medicines should have been included in the decree as unnecessary articles.

Oil-famine.—More restrictive regulations as regards the use of certain oils medicinally have recently been made. The "Pharm. Zeitung" reports that stocks are getting exceedingly low, and edible fats and oils may no longer be used in preparing ammonia and chloroform liniments and carbolic and henbane oils, which, indeed, may no longer be prescribed. Lard must not be used for making ointments, camphorated oil can only be used subcutaneously, and physicians are recommended to abstain from prescribing ointments. Linseed, nut, poppy, and rape oils are not allowed to be prescribed, and only small quantities of cod-liver, olive, and sesame oils may be ordered; while syrup has to replace castor oil and glycerin, the last-named being entirely prohibited. All animal and vegetable oils imported into Germany have to be handed over to the War Committee. Pharmacists are much concerned about the use of theobroma oil, and want a substitute for it in the making of suppositories. So concerned are the authorities in regard to the uses of fats and glycerides that an order was recently issued forbidding the manufacture of soaps from waste fats in households, it being suggested that such fats should be handed over to the War Committee.

# New Books.

Maiden, J. H. *A Critical Revision of the Genus Eucalyptus.* 12 × 9½. Vol. III. Part 4. 2*s.* 6*d.* (Gullick, Government printer, Sydney, N.S.W.) [This is Part XXIV. of the complete work upon which Mr. Maiden has been engaged for some time. It deals with *E. Deanei, E. Dunnii, E. Banksii,* and *E. quadrangulata.* There are four whole page plates in this part.]

Peddie, J. T. *On the Relations of Imports to Exports.* 7⅝ × 4⅝. Pp. 148. Second edition. 5*s.* (Longmans, Green & Co., 39 Paternoster Row, London, E.C.) [This book consists of three chapters, the subject of the first being that adopted for the title of the book. The other chapters are "Foreign Exchange" and "National Economies or Empiricism."]

*Proctor's Tables of Equivalents, Gauge Numbers, Inches, Millimetres, Pounds, Kilograms, and Discount-book.* 5¼ × 2½. 6*d.*, post free. (E. Le Bas & Co., Dock House, Billiter Street, London, E.C. [The greater part of the booklet is occupied by discount tables, which range from 1¼ to 98¾ per cent. off amounts from 1*d.* to 100*l.*]

# Legal Reports.

## Trade Law.

**A Taxi Collision.**—In the King's Bench Division, London, on Tuesday, April 11, Mr. Justice Lawrence and a common jury awarded Mr. Samuel Liston, chemist and druggist, 280 Fulham Road, London, S.W., 30*l.* damages against Mr. James Adams, York Buildings, Adelphi, in respect of personal injuries sustained while riding in a taxicab with which Mr. Adams' motor collided. Mr. P. Audibert, who was with him in the taxi, was awarded 10*l.* 10*s.*

**Oils Exported and Undeclared.**—In the King's Bench Division of the London High Court, on April 11, under Section 5 of the Customs (War Powers) Act, 1915, E. C. Warnes & Co. and John M. Hamilton & Co., oil merchants and exporters, Hull, were each fined 2,000*l.* for exporting linseed and other oils without making the necessary declarations that the goods would not reach the enemy. The omission was due to carelessness and innocent disregard of recent legislation.

**Quinine-wine.**—At Omagh Petty Sessions on April 10, J. D. Wilson was charged with selling quinine-wine which was not of the standard laid down by the British Pharmacopœia. It contained no alcohol and a smaller quantity of quinine. Defendant contended that the quinine-wine in question was sold as a temperance drink and therefore did not come within the scope of the British Pharmacopœia. The Bench dismissed the summons, but agreed to state a case for the King's Bench.

**Medicine-stamp Acts.**—At the South-West London Police Court on April 12, R. & C. Atkins, herbalists, Falcon Road, Battersea, were fined 50*l.* for selling unstamped dutiable medicines. Mr. Reginald J. Fleet, for the Commissioners of Excise, stated that in a month 65*l.* worth of medicines were sold by the defendants. The stamp-duty would have amounted to about 15*l.*, but stamps worth 1*l.* 18*s.* only were paid for.

**Lead in Cream of Tartar.** At Innisrush, co. Derry, Petty Sessions on April 6, Patrick O'Kane, Moneystaghan, was summoned for selling cream of tartar containing 20 parts of lead per million. Defendant's solicitor produced a certificate of an analysis of the third part left with O'Kane, which stated that the sample contained 15 parts of lead and 15 parts of copper in a million parts, and it was suggested that the public analyst had mistaken the copper for lead. The case was adjourned for a month.

# New Companies and Company News.

**P.C. means Private Company and R.O. Registered Office.**

Health Sweetmeats, Ltd. (P.C.).—Capital 500*l.* Secretary, E. Woodruffe. R.O., 9 and 10 Paneras Lane, E.C.

L. L. Water Purification Processes, Ltd.—Capital 5,000*l.* Directors, L. Linden, S. J. Croucher, W. M. D. Pell, and C. Oliver. R.O., 81 Cannon Street, London, E.C.

Sparto, Ltd. (P.C.).—Capital 1,000*l.* Objects: To adopt an agreement with Lafayette Hoyt de Friese and to acquire the recipes, etc., for "Sparto," and to deal in medicines, drugs, etc. Solicitor, Sir Frank Crisp, Bart., 17 Throgmorton Avenue, E.C.

Parke's Drug Stores, Ltd., announce the payment of the interim dividend on the preference shares for the half-year ended March 31, 1916, at the rate of 6 per cent. per annum, less income-tax.

Essams, Chemists, Ltd., Bank Pharmacy, Luddendenfoot, Yorkshire.—A meeting of creditors was held at Halifax on April 4, when the statement of affairs submitted showed liabilities amounting to 141*l.* 10*s.* 1*d.*, and net assets 116*l.* 15*s.* Mr. Hoyle and Mr. P. S. Booth, 2 Bixteth Street, Liverpool, were appointed joint liquidators, with a view to disposing of the business as a going concern. The company was formed in 1914 with a nominal capital of 300*l.*

## Bankruptcy Acts.

Receiving Order and Adjudication.

Mitchell, A., Horneastle Road, Skirbeck, and 56 Wide Bargate, Boston, Lincolnshire, chemist and druggist.

# Bankruptcy Report.

**Re John W. P. Handley,** 405 Halifax Road, Smallbridge, Rochdale, Chemist and Druggist.—At Rochdale Bankruptcy Court this debtor was publicly examined on April 7, the statement showing liabilities 185*l.* 11*s.* 6*d.* and a deficiency of 78*l.* 1*s.* 11*d.* "Bad trade during the last three years and lack of capital" was given as the cause of failure. Debtor commenced business at Smallbridge in 1893, purchasing an established business for 243*l.* 4*s.*, of which 200*l.* was borrowed money. This had been repaid, with the exception of 38*l.* 4*s.* 2*d.* The business was successful up to the war, when local mills were affected and stopped. He was pressed, was unable to replenish his stock, and had borrowed money. The examination was closed.

# Deed of Arrangement.

**Ashby, Wm. (Deceased)** (by Executors), late 177 Mansfield Road, Nottingham, Chemist. Dated, April 4; filed, April 7; trustee, Mr. E. H. Palmer, 6 St. Peter's Church Walk, Nottingham; unsecured liabilities, 779*l.*; estimated net assets, 562*l.* The creditors include: The British Drug Houses, Ltd., 126*l.*; Parke, Davis & Co., 3*l.*; S. Maw, Son & Sons, 26*l.*; Burroughs Wellcome & Co., 7*l.*; Arthur H. Cox & Co., Ltd., 5*l.*; Duncan, Flockhart & Co., 12*l.*; Lofthouse & Saltmer, Ltd., 51*l.*; Robert Gibson & Son, Ltd., 8*l.*; Oldfield, Pattinson & Co., 24*l.*; Newball & Mason, 23*l.*; York Glass Co., Ltd., 3*l.*

# Births.

**Authenticated notices are inserted without charge.**

Bennett.—At Rathmines, on March 20, the wife of Wm. W. Bennett, L.P.S.I., of a daughter.

Conyngham.—At 40 Upper Fitzwilliam Street, Dublin, on April 8, the wife of W. Boulton Conyngham, Ph.C., F.C.S., of a daugher.

Cox.—At Brighton, on April 8, the wife of Arthur H. Cox, managing director of Arthur H. Cox & Co., Ltd., manufacturing chemists, of a daughter.

Hitchcock.—At Greenhill Lane, near Alfreton, Derbyshire, on April 1, the wife of Frank Hitchcock, pharmacist, of a son.

Robertson.—At Dundee, on April 5, the wife of James Robertson, pharmacist, of a daughter.

Simnett.—At Mount Pleasant Cottage, Guildford, on April 5, the wife of Roland E. Simnett, pharmacist, of a daughter.

Sloper.—On April 9, the wife of L. J. Sloper, pharmacist, 12 Priory Hill, Dartford, of a daughter.

Strange.—At Kimberley, South Africa, on March 2, the wife of J. S. Strange, L.P.S.I., of a son.

# Marriages.

**Authenticated notices are inserted without charge.**

Barton—Wells.—At Raikes Parade Wesleyan Church, Blackpool, on April 8, Harold Barton, chemist and druggist, to Clara, daughter of Mr. John Wells, Blackpool.

Buckley—Dickson.—At the Masonic Temple, Hamilton, on April 5, Alfred B. Buckley, chemist and druggist, to Nettie, daughter of Mr. Andrew Dickson, Hamilton.

Davies—Rees.—At Libanus Chapel, Cwmbwrla, on April 5, W. J. Davies, pharmacist, Swansea, to Gladys, only daughter of Mr. Wm. Rees, sculptor, Cwmbwrla.

**Diamond Wedding.**

Crookes—Humphrey.—On April 10, 1856, William Crookes, son of Joseph Crookes, of Brook Green, Hammersmith, to Ellen Humphrey, daughter of William Humphrey, of Darlington. [Present residence of Sir William Crookes, O.M., and Lady Crookes, 7 Kensington Park Gardens, London, W.]

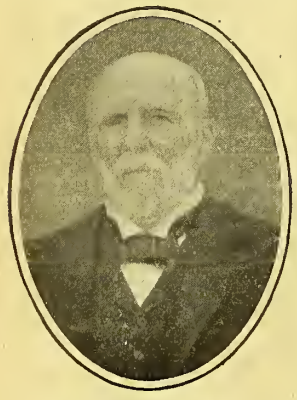
Professor Gilbert T. Morgan, D.Sc., F.R.S., Dublin, has been appointed to succeed the late Professor Meldola as Professor of Chemistry at the City and Guilds Technical College, Finsbury.

# Deaths.

**Authenticated notices are inserted without charge.**

Freeman.—At Wendover, on March 28, Mr. Frederick Freeman, chemist and druggist, aged eighty-four.

Hanbury.—At the Manor House, Little Berkhamsted, near Hertford, on April 11, Mr. Cornelius Hanbury, M.R.C.S., F.I.C., F.C.S., etc., chairman of the board of directors of Allen & Hanburys, Ltd., aged eighty-eight. Mr. Hanbury's mother lived nearly twenty years longer than he, and her portrait, painted in her 103rd year, was presented to her at the same time as her son's in March 1896. Mr. Hanbury was also blessed with an exceptionally long life, but latterly his health waned, and he died peacefully on Tuesday morning at two o'clock. His last public business effort was the letter that he wrote to the employés of the firm on the occasion of the bicentenary of the business (*C. & D.*, December 25, 1915, p. 54). Mr. Hanbury was born on November 29, 1827. He was the son of Cornelius Hanbury, who with his brother, Daniel Bell Hanbury, nephews of William Allen, F.R.S., and his wife, Charlotte Hanbury, was in 1824 admitted into partnership by the first President of the Pharmaceutical Society, the firm name being changed to William Allen, Hanburys & Barry. While still in his teens Mr. Cornelius Hanbury, jun., became in 1846 a student at St. Bartholomew's Hospital, and distinguished himself in anatomy as a pupil of Mr. Luther Holden. He passed the M.R.C.S. examinations shortly before Christmas 1849 and obtained the Apothecaries' licence in May 1850. On quitting St. Bartholomew's Hospital Mr. Hanbury's father made him a tempting opening in the Plough Court pharmacy, Lombard Street, and as he was engaged and anxious to marry he accepted it, abandoning all idea of medical practice. He soon became closely occupied with the business interests of the Plough Court pharmacy. His cousin, Daniel Hanbury, oldest son of Daniel Bell Hanbury, had in 1841 entered the business at the age of sixteen, being two years older, and he and Mr. Cornelius Hanbury, M.R.C.S., became partners together in 1856. Daniel Hanbury retired in 1870 and died in 1875, and during this period Mr. Cornelius Hanbury was sole head of the business. He was elected a member of the Pharmaceutical Council on May 21, 1875, and at the first meeting he suggested that the General Purposes Committee should consist of the whole of the Council, a suggestion which was ultimately adopted. Mr. Hanbury proved to be by no means a silent councillor, although he was a quiet one. When the Irish Pharmacy Bill was before Parliament and the Society was much concerned about it, he expressed the opinion that to oppose the Bill as a whole would be taking a course which would be morally wrong. On June 7, 1876, he was appointed Treasurer of the Society on the motion of Mr. Sandford, and elected by acclamation without ballot. This was the position occupied by Daniel Bell Hanbury from 1852 until January 4, 1867. Mr. Hanbury retained it for two years, and retired from the Council in May 1879 owing to business and other engagements having increased largely. In December of the same year his son, Mr. Frederick J. Hanbury, who had become a partner with his father in 1874, intimated his desire not to be re-elected a pharmaceutical examiner, business matters preventing him; and it is interesting to note that another active business man, Mr. Charles Umney, at the same time retired from the Board of Examiners for a similar reason. Since the 'seventies the Allen & Hanburys business has developed enormously, the firm then having definitely stepped into the rank of manufacturers. An account of their first factory at Bethnal Green appeared in The Chemist and Druggist of January 15, 1880. The business was converted into a limited company in 1893, Mr. Cornelius Hanbury's co-directors being Mr. F. J. Hanbury and Mr. W. Ralph Dodd. Subsequently Mr. Reginald J. Hanbury, M.R.C.S., L.R.C.P., and Mr. F. Capel Hanbury, Ph.C., grandsons of the head, became directors, and in 1903 Mr. F. W. Gamble, Ph.C., also became a member of the board. Mr. Cornelius Hanbury was one of the oldest Fellows of the Chemical Society, having been elected in 1857, and he was one of the earliest Fellows of the Institute of Chemistry, which he joined in 1878, a few months after its foundation. He had seven daughters as well as the surviving son. Much more might be said in regard to Mr. Hanbury, who was one of the most courtly and unassuming men, greatly beloved by all in the business, but for the present we need only add that a funeral service is to be held at St. Andrew's Church, Little Berkhamsted, on Friday, April 14, at 2 P.M., and the interment will follow at Highgate Cemetery at half-past three.



Mr. Cornelius Hanbury.

Jones.—Recently, Mr. Sandford Kent Jones, dispenser for Dr. Jackson, St. Helens, aged forty-six.

Mace.—At 5 Albert Street, London, S.E., Mr. Lewis Albert Mace, chemist and druggist.

Mercer.—At Cavan, on April 5, Mr. George Mercer, manager to Mr. J. J. Cole, Ph.C., Main Street. Deceased, who was a native of Gorey, co. Wexford, leaves a widow, two sons, and two daughters.

Moller.—At Copenhagen, on March 12, Mr. Hans Jacob Moller, a well-known Danish pharmacist and an official of the Fédération Internationale Pharmaceutique.

Payne.—On April 3, Mr. Henry Payne, chemist and druggist, Queen Street, Market Rasen, aged sixty-five. Mr. Payne died suddenly while taking a walk after business.

Russell.—At 105 Albert Road, North Woolwich, London, E., Mr. Harry Edward Russell, chemist and druggist. (See p. 36.)

Wiseman.—At The Square, Westbourne, Sussex, Mr. Ebenezer Henry Wiseman, chemist and druggist, aged sixty-six.

Wijsman.—At Utrecht, on March 19, Professor H. P. Wijsman, Secretary-General to the Colonial Institute, Amsterdam, aged fifty-three. He was born at Amsterdam, and graduated as a Doctor of Science in 1889. The subject of his thesis, "Diastase considered as a Mixture of Maltase and Dextrinase," was a consequence of his position as chemist at the yeast and spirit factory at Delft. In 1891 he was appointed Professor at the Leyden University, where he taught pharmaceutical chemistry, toxicology, and bromatology, but resigned in 1907 in order to live in the neighbourhood of Utrecht. While at Leyden he succeeded in influencing the Government to found a laboratory for controlling the quality of exported butter and cheese. He became the leading expert in the Netherlands on the adulteration of foodstuffs and represented the Government at numerous International Congresses, his services being especially recognised by the French and Belgian Governments. In 1912 he was appointed Secretary-General of the Colonial Institute in Amsterdam, and in this connection his death will be keenly felt, as he was the only person who knew all the details of the new scheme for reorganising and enlarging the scope of the Colonial Institute. He undertook a scientific mission to the Dutch Indies, and in the course of the International Congress of Pharmacy held at The Hague in 1913 he delivered a lecture in which he gave some of the results of his visit, illustrating it with cinematographic pictures.

Professor H. P. Wijsman.

# Information Department.

## INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

184/70. Jones' juvenile face-powder

184/70. Edwards' nursinettes, an apparatus for infants in the carrying stage.

184/70. "Miraculin."

189/12. Address of Buckanans, lozenge makers.

188/57. "Frozotone," not "Frozolone."

188/47. Percy Well's pills, No. 103.

169/71. Blakeman's No. 0 empty capsules.

173/24. Dr. Dennet's kidney pills.

174/73. "Diabeton."

175/64. Paraphenylenediamine: supplies.

190/64. Savon Fougère Impériale.

# Observations and Reflections.

By Xrayser II.

**The Royal Society of Medicine,**

which Professor Armstrong held up as a model to be followed by scientific and technical chemists, possessed certain antecedent advantages, so to speak, which made the amalgamation of the various constituents less difficult than otherwise it would have been. In the first place, the scheme had the guidance of a man of great initiative and determination, whose *fortiter in re* is tempered by his *suaviter in modo,* while he had behind him a strong Society and the co-operation of many of the heads of the medical profession, who were ready to put their corporate properties into the common stock for the benefit of Medicine as a whole. The Society has been signally successful, and its handsome building is a headquarters for medical men all over the country; so that in this way it supplies a want which neither the Royal College of Physicians nor the Royal College of Surgeons, with their more limited *clientèle,* could have attempted.

**Notwithstanding these Advantages,**

the idea of fusing a dozen or more Societies into one took a long time to mature, and it was years before all the difficulties were overcome. Whether professional and technical chemists will do similar work, or get it done more quickly, is somewhat doubtful. If the movement had started from within one of the large existing societies—the Chemical Society, for instance—I should have been more hopeful, but it would be far from diplomatic if we begin by ignoring the largest and wealthiest of our chemical institutions. Like Jeshurun, some of these Societies have "waxed fat," and like him also they will "kick" if any attempt be made from the outside to interfere with or curtail their privileges. A spontaneous movement is the direction indicated would prove of great value, but if the attempt be simply to superimpose an additional organisation on those already in existence it may quite conceivably end in a fiasco. And, above all, there must be no quarrelling among the chemists themselves.

**Great Dissatisfaction with the P.A.T.A.**

has recently been shown in several quarters, and, if I am not mistaken, it is growing and will grow. I confess that I sympathise with the malcontents to a considerable extent. There are, as one critic very pointedly says, some articles on the list that would be better off; and while so many are off that ought to be on, it is no wonder that retailers often give the Association but a half-hearted support, or none at all. The fault does not lie mainly with the P.A.T.A. itself, and it is perhaps unreasonable to hold aloof from it because it has not worked impossibilities; but the fact remains that, much as we owe it, the very partial success it has achieved is a sufficient ground for dissatisfaction. And although we ought not to blame it for not securing the adhesion of such firms as still remain outside, we may reasonably complain that it accepts members who will not grant us a living profit. It would be better boldly to refuse them such advertisement as they gain from membership, and to leave us to their "uncovenanted mercies."

**The Tax on Aerated Waters**

has one merit. By means of it the Chancellor of the Exchequer will get at those men who never drink spirits or beer, and who in this way escape a considerable amount of indirect taxation. If these men also happen not to smoke or not to go to cinemas or theatres (I occasionally meet such men), they will practically miss every opportunity of indirectly supporting their country financially, save through the breakfast-table. Perhaps from that limited point of view a tax on aërated waters may have its good points, but I fear that it will be a bad thing for the country if by any chance it gets through. A licence of five guineas a year in order to be permitted to supply a temperance beverage from a machine commonly called the soda-fountain is stiff, and, I fancy, will put an end to such provision as exists in that line in this country. It is astonishing how much of it there is, and, of course, if any retail chemist is so thoughtless as to use a seltzogene on adventitious occasions for a similar purpose, he will have to pay five guineas a year for that, unless he bottles the water, corks and stamps it before supplying to the customer, which is unlikely.

**The Oxford Dictionary**

has now reached the end of the letter T, though S is not yet quite completed. The new section includes a few interesting plant and drug names. The editor calls special attention to *turpentine* and *turpeth.* The former is from *terebinthus,* and occurs first as *terebentine;* originally it was applied only to the semi-fluid resin of the terebinth, but was afterwards extended to various oleo-resins; the first quoted instance of its use for oil of turpentine is dated 1562. *Turbith* is an older form than *turpeth;* it comes to us through the Arabic, but is apparently of Persian origin. Lemery says it has been derived from the Latin *turbare,* on account of the drug's violent action! There is no reference in the Dictionary to the fact that our herbalists give the name of *Serapion's turbith* to the sea starwort. Turbith mineral seems to have been so called because its action as well as its colour resembled that of the root. *Turnsole,* which is equivalent to *heliotrope,* was the name of several plants which turn with the sun; Lyte has three so called, Gerard four. From Lyte's small turnsole (now known as *Crozophora tinctoria*) the dye turnsole was made, and from this was sometimes transferred to litmus; turnsole-paper is equivalent to litmus-paper. *Tutsan* is *toute saine.* This, too, is a name that has been variously applied; usually it indicates *Hypericum Androsæmuh.* *Tutty* is of Persian origin probably, though we get it from the Arabic; this crude oxide of zinc was formerly used in medicine, principally in applications for inflamed eyes. *Tweezers* is a word with a curious history; it is from the French *etui,* a case (of instruments), the plural form of which was taken as singular and spelt in English, *etweese;* this was aphetised to *tweese,* which in the plural became *tweeses,* and finally *tweezers.* *Twopenny grass* and *Herb twopence* refer to the plant's pairs of rounded leaves, which have earned for it similar names in many other languages; it was a famous remedy for lung-troubles. *Twopenny-halfpenny* is noted as a depreciatory term, denoting little value; the quotations given do not include, however, any reference to the Insurance dispensing-fee, a regrettable omission.

**Tussilago—**

the herb, not the name, which, though included in the Dictionary, is scarcely English—almost deserves a paragraph to itself as one of the most successful impostors of our materia medica. Official from the very first Pharmacopœia until 1851, and still found in our semi-official Formularies, not to mention domestic recipe-books, there seems to be really nothing to be said for it but that it is mildly demulcent and has no noticeable taste or smell. It is a perfect type of those smooth, bland persons who recommend themselves to society by being as nearly as possible characterless. No doubt the habit of the plant and its early appearance helped it to popularity. It had, in common with two or three other plants, the name of *Filius ante Patrem,* because the flower appears before the leaf (the reason was not quite the same in the other cases), and the peculiar shape of the latter caused it to receive many such fanciful names as coltsfoot, foal-foot, horse-hoof, bull-foot, etc., some of which it shared with other herbs. Its first use in medicine seems to have been as a fumigatory in chest-affections, to which Pliny says it owed its name. We have had both a simple and a compound syrup of coltsfoot in our P.L., and there was an old fraudulent nostrum known as essence of coltsfoot, which had no coltsfoot in it, but was a mixture of tincture of benzoin and balsam of tolu. Here, again, coltsfoot is typical of a class: harmless itself it serves well to disguise things which are not.

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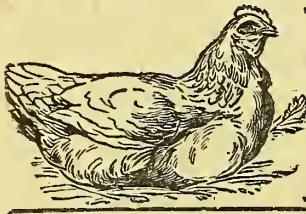

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**ENDOLYTIC TUBES**

"The Laboratory in the Waistcoat Pocket."

*Wholesale Terms on application to the Sole Proprietors:*

FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, N.

# Editorial Articles.

## Glycerin in Pharmacy.

The European war had not lasted three months when the Soapmakers' Union of Berlin suggested that Germany should be made independent of foreign countries as regards glycerin by conserving her output of it. By the end of 1914 the German War Council began to gather information as to the amount of glycerin in the country, and early in March 1915 the wholesale department of the German Apotheker Verein was entrusted by the War Chemicals Company with the regulation of the sale of glycerin and nitrates in pharmacy. Each German pharmacist was then allowed 6½ lb. of glycerin and 17½ oz. of nitre per month. The glycerin was only to be used in medicines prescribed by physicians and in preparing medicines of the German Pharmacopœia and of the Deutsche Apotheker Verein, including imitations of proprietary medicines. It was inevitable that similar restrictions should be instituted in this country, and we began to report in February that the Ministry of Munitions had begun to limit the amount of glycerin supplied to the drug-trade and pharmacy. The Ministry requested glycerin-manufacturers before making deliveries of glycerin for medicinal purposes

"to obtain from all customers a guarantee that the glycerin will be used only where it is called for by the British Pharmacopœia, or where prescribed by a qualified medical practitioner, and that it will not be sold over the counter, nor made up into toilet-preparations, cosmetics, or used for sweetening-purposes."

We quote this from a circular issued by Evans Sons Lescher & Webb, Ltd., as the agents for a leading maker, on April 1. It supports the statement made in the *C. & D.* the same day, which was based on information supplied by the Ministry of Munitions, which has not published any statement on the subject. Whether or not that Ministry has adopted the German regulation is immaterial, but obviously it does not go far enough, as the object is to limit the supplies for medicinal purposes, and the British Pharmacopœia includes only a part of the medicines in use, and medical practitioners have for many years supplemented this with Squire's "Companion" or Martindale's "Extra Pharmacopœia," while pharmacists have taken "Pharmaceutical Formulas" as a supplement, the galenical and medicinal preparations chapter re-

sembling the German "Ergänzungsbuch" in nature and scope. In actual day-by-day demands British pharmacists have many demands to meet which the Pharmacopœia does not provide for. Many medicinal lozenges are made with a glyco-gelatin basis; and scores of medicinal preparations in which glycerin is an essential ingredient could be named. In this connection the Standard Tablet and Pill Co., Ltd., send us a copy of a letter which they have sent to the Minister, calling attention to the fact that in the manufacture of gelatin capsules the use of glycerin is essential, yet they are not recognised by the British Pharmacopœia. The company suggest that the "British Pharmaceutical Codex" should also be recognised, and their letter concludes:

"Glycerin is also used for making glycero-phosphates, a very important remedy much used. This is not mentioned in the British Pharmacopœia. We would most urgently request you to consider the foregoing, since if the use of glycerin be confined to preparations mentioned in the British Pharmacopœia only, some considerable hardship will be inflicted on takers and users of medicines, and further, since many of these medicines are imported from abroad, we ourselves will be placed at a very great disadvantage as manufacturers of pharmaceutical products."

The Minister of Munitions is one of the most practical men that we have, and is doing good work which no pharmacist in the country desires to minimise; but we think that he could usefully modify the stringency of the present position in co-operation with his immediate assistant, Dr. Addison.

[We understand that the Minister is giving careful attention to the whole subject, and is considering the basis here explained and other statements submitted to him.]

## Foreign Trade in March.

The Board of Trade returns for March show considerable increases in our overseas trade, but the increase in imports, judging by values, continues to outpace the advance in exports. The latter are, however, the largest for any month since the outbreak of war, being 37,598,000*l.*, or 7,422,000*l.* more than in March 1915, and 6,920,500*l.* less than the normal period of March 1914. Unfortunately, imports continue to expand in a remarkable fashion, and touch a new "record," the March figures being 86,100,000*l.*, or 10,631,000*l.* more than in March 1915, and 19,146,000*l.* more than in the normal period of March 1914. Part of the huge rise is no doubt due to attempts to forestall possible Budget taxation, as foodstuffs accounted for an addition of 4,975,700*l.*, of which 3,093,000*l.* was under the head of dutiable articles, chiefly sugar and cocoa. Raw-material purchases were 2,374,000*l.* more. Manufactured goods increased by 3,100,000*l.* to 17,100,000*l.*, and applied to the bulk of scheduled items—chemicals, *e.g.*, heading the list with 1,222,781*l.* more, the imports being a "record" at 2,687,669*l.* Some of the biggest increases were "unenumerated chemicals" by 492,948*l.* and "unenumerated drugs" by 104,473*l.*, indigo by 64,505*l.*, unenumerated dyestuffs by 119,342*l.*, tanning barks by 158,251*l.*, quinine by 246,939 oz., or 48,933*l.*, soda compounds by 8,383 cwt., or 24,566*l.* This section, as a whole, shows how dependent we are on foreign countries for many of our chemical supplies; the fact that miscellaneous chemicals alone increased by practically half a million in a month points to the great inflation in values. It is more agreeable to turn to the exports of British produce and manufactures, for while they show an increase of 7,422,000*l.* over March 1915, they are only 6,921,000*l.* below those of March 1914. We have to a large extent stopped our exports of oil-seeds and the like owing to the demand for glycerin; the reduction in March was 295,000*l.* in value, and was chiefly in unrefined coconut oil and oil-seed, the latter declining by 11,646 tons, or 316,000*l.* The chemical and drug section was 47,763*l.* up compared with March 1915, but 45,500*l.* less compared with March 1914. The total shipments were 2,046,398*l.*, of which 351,142*l.* was composed of drugs and medicinal preparations, an item which has done remarkably well this year, the quarter's exports being 937,806*l.*, or 232,644*l.* more than the corresponding quarter of 1915. Quinine is allowed to leave this country sparingly, and only 135,500 oz. was exported during the month, while the quarter's exports were 560,875 oz., against 526,124 oz. for the March quarter of 1915; exports of soda compounds for March were almost halved, declining from 640,036 cwt. to 392,283 cwt., and exports of potash compounds also declined. Altogether overseas trade is being wonderfully well kept up, and the gigantic figures recorded each month are clear evidence that the German submarine campaign does not seriously interfere with our foreign commerce.

### Cod-liver Oil.

There are certain features about the Norwegian cod-liver oil market this season which should be brought before the attention of buyers. It has been apparent that the catch of cod, although small up to the present, has shown a prolific yield, and this means fine quality. There will, however, be much less than normal quantities available for consumption in this country, simply because Germany and Russia are actively competing for supplies, not, it is said, so much for medicinal purposes as for extracting glycerin therefrom. It is reported from Aalesund, one of the cod-liver-oil centres, that already two German steamers have arrived for fish and oil cargoes, and that others have arrived at Bergen with coal, returning with fish and train oil. Owing to the continually high prices paid for the cod-liver at the fishing places and the strong demand for the oil the market has this season advanced beyond all precedent—so much so that wholesale druggists are mostly buying from hand to mouth, and the current demand appears to be filled from the few parcels offering on the spot. On April 5 the prime cost in Norway of the finest medicinal oil was about 650*s.* per barrel, and agents are asking prices to-day which run up to 720*s.* per barrel c.i.f. London. The English buyer has to take into calculation the fact that the present rate of exchange on London is low and decidedly in favour of Norway, our shilling being worth only about 82 ore, against 100 ore (1 krone) in normal times.

### Mr. Gowen Cross Retires.

Of the seven members of the Pharmaceutical Council who are retiring Mr. W. Gowen Cross is the only one who does not seek re-election. Mr. Cross thus closes a connection with the Council which began on May 22, 1886, when he was President of the Chemists' and Druggists' Trade Association of Great Britain. Mr. John Harrison was also one of the candidates at that time, but was not then elected. Both he and Mr. Cross were trade candidates, and there was a strong feeling at the time that the Pharmaceutical Society should do more in trade matters. Mr. Harrison was, of course, subsequently elected. Mr. Cross's election was considerably influenced for good by the North British Branch dispute, then at its height, and he and Mr. H. B. Baildon were the only new candidates who got in, while Mr. J. R. Young, of Edinburgh, was defeated. Mr. Cross was the last President of the Chemists' and Druggists' Trade Association, which was finally wound up on July 27, 1887, having lasted eleven years. The Pharmaceutical Society was stimulated by the Association, which was really started by Sir Thomas Barclay. Mr. Cross became Vice-President of the Society in 1892, during Mr. Carteighe's presidency, and served three years, being succeeded by Mr. John Harrison. Mr. Cross's connection with the Pharmaceutical Council lasted without interruption until May 1912, when he and Mr. Walshaw were unseated by Mr. F. P. Sargeant and Mr. T. A. White. He has been a singularly fair councillor, but it is difficult for those who do not know to realise that he was at one time a trade candidate.

## Minor Examination.

We have received from the Registrar of the Pharmaceutical Society of Great Britain the following list of persons who were granted Minor certificates at the recent examination held in Edinburgh:

Adam, Duncan S., Glasgow
Cochrane, James Alison, Leith
Curley, Joseph, Glasgow
Dickson, Robert James, Kelso
Gordon Alexander S., Portsoy
Guiliani, Adolph, Glasgow
Inglis, Janet Ker, Edinburgh
Lindsay, Dugald M., Glasgow
McAdam, Robert, Glasgow
McArthur, Peter, Methil
McDiarmid, Marjorie Grace, Edinburgh
Mackenzie, D. A., Invergordon
Mackenzie, R. G., Monifieth
Mackie, Frances Mary, Kirkintilloch
McNinch, Robert W., Glasgow
Mennie, James W., Ballater
Millar, Thomas Watt, Glasgow
Norrie, James S., Glasgow
Nugent, Edward, Glasgow
Sanderson, Wm. E., Bentham
Scott, Alexander, Rutherglen
Simmons, Tom Dent, Leeds
Smith, Adeline, Haddington
Smith, James, New Pitsligo
Stephenson, Jane Yorston, Aberdeen
Throp, Selwyn, Halifax
Winchester, G., Newton Mearns
Young, Alexander, Brechin

## Chemical Society.

A Meeting was held in Burlington House, London, on April 6, at 8 P.M., Dr. Alexander Scott (President) in the chair. It was announced that an extraordinary general meeting of the Fellows will be held on May 11, at 5 P.M., to consider the conduct of the Council with regard to honorary members who are alien enemies. The President then delivered his presidential address, which had been postponed from the annual meeting on March 31. This dealt with events in the history of the Society since it first met in the house of the Society of Arts on March 31, 1841, when a letter from Henry Fox Talbot, the photographer, was read suggesting that the development of chemistry warranted the foundation of the Society. Dr. Scott referred to the development of the science, mentioning in this connection the work done by Black and the influence which Leblanc's alkali had had upon chemical-industry. Thomas Graham was the first President, and his influence, as well as the work of Faraday, was also touched upon. A paper by Liebig was the first published by the Society (1841), and this gave the President the opportunity of speaking about the publications by the Society, this gradually leading him up to the subject of research, which followed his reference to the first aniline dyes. The work of Cavendish, Moissan, and Rayleigh was instanced as illustrating the first department of research—that done for the mere sake of knowledge—while the second research, directed towards the solution of a definite problem, was illustrated by the discovery of salvarsan. The President concluded that scientific training has a far higher educative value than a classical training. The great difficulty is to obtain men sufficiently well trained to teach science efficiently. This is in a large measure due to the Universities, who do not give the facilities to men taking a natural science degree equal to those taking classics.

## Associations' Winter Session.

*Other meetings are reported under Insurance Dispensing Reports.*

**Blackpool.**—A meeting of the Blackpool and Fylde Pharmacists' Association was held at Blackpool on April 7, Mr. J. Laurie in the chair. Easter hours were arranged as last year, and the glycerin restrictions were discussed, a resolution being carried asking for a modification of the latter so that glycerin can be sold for internal use. Mr. Boothroyd summarised the work of the Joint Committee on the recruiting of chemists.

**Brighton.**—At a meeting of the Brighton and Hove Association of Pharmacy on April 5, Mr. C. J. G. Bunker gave an address on the *Policy of the Proprietary Articles Trade Association*, and Mr. D. P. Macdonald replied to questions. It is important to increase the membership, urged the speakers.

**Doncaster.**—A meeting of the Doncaster Association of Pharmacists on April 6, Mr. F. W. Playford (President) in the chair, was occupied by the discussion of a paper by Mr. S. N. Pickard dealing with *The Work of the Proprietary Articles Trade Association.* A resolution was passed supporting the Association. Mr. Frank G. Hines (York) then addressed the meeting in support of his candidature for a seat on the Council of the Pharmaceutical Society. He urged the adoption of the principle of local federation and a reform in the constitution of the Council. Mr. Hines found supporters among those present at the meeting.

**Halifax.**—The Halifax Chemists' Association at the last meeting discussed proposals for fixing prices for certain patent medicines. The Grocers' Association has agreed to the prices which were submitted. Efforts are to be made to obtain uniformity of prices throughout the North of England.

**London (N.).**—A meeting of the North London Chemists' Association was held on April 6 at St. Padarns, Holloway, Mr. A. W. Bromley (President) in the chair. A vote of condolence was passed with the relatives of the late Mr. W. Morton, Gray's Inn Road. Mr. A. H. Jenkin addressed the meeting on the *Pharmacists' Volunteer Training Corps*, and several new members were enrolled. Mr. C. W. Brumwell next read a paper on *Bookkeeping*, in the course of which he described the method employed in his own business, five books being used, and the way a balance-sheet should be drawn up to satisfy the Inland Revenue authorities. The discussion brought out particulars of other methods of bookkeeping in use by the members.

**London (W.).**—A meeting of the Western Pharmacists' Association was held at the Restaurant Frascati, Oxford Street, London, W., on April 12, Mr. A. R. Melhuish in the chair. An alteration of the rule governing the election of the Committee was agreed to, and Mr. W. E. D. Shirtliff (Hon. Secretary) reported on the meetings of the Pharmaceutical Committee and London County Executive. He dealt with the delay in paying chemists' accounts, and also mentioned that the use of glycerin is to be permitted by the Ministry of Munitions in making "B.P.C." preparations. Messrs. Melhuish, Jenkin, and Tocher were elected delegates to the Local Associations Conference. Four new members were elected. The meeting then listened to addresses by Mr. H. Skinner and Mr. J. W. Deakin, two of the candidates for the Pharmaceutical Council election. Mr. Skinner, by request, dealt chiefly with the professional side of pharmacy, and said it is through knowledge of pathological chemistry and bacteriology, rather than dispensing, that recognition will come from the War Office. He combated the suggestion that he was not *au courant* with the retail trade. The remuneration for Insurance dispensing and a better method of obtaining the opinion of the country on pharmaceutical matters were other matters dealt with. Mr. J. W. Deakin followed with an interesting speech, in the course of which he said the Pharmaceutical Council has done much, but should do more. "Cost price" under the Drug Tariff is unsatisfactory, and the low rate of the establishment-charge is an abomination. He thought the Pharmaceutical Society could prevent the difficulties which have been experienced through the famine of chemicals. A discussion followed, in which Messrs. Bromley, Goode, Jenkin, Kirkpatrick, Fairweather, Shirtliff, Atkin, Milner, and Atkins took part. Mr. E. White, President of the Pharmaceutical Society, then gave an address, in which he advocated a modernising of the examinations, so that such subjects as sanitation and bacteriology could be included. He prefers a policy of "hasten slowly" in regard to Insurance dispensing problems.

**Norwich.**—A meeting of the Norwich Pharmaceutical Association was held on April 5, the President (Mr. G. C. Maynard) in the chair. Approval was given of the election of Messrs. Alpe, Ling, and Robinson as delegates to the Local Associations Conference. It was resolved to support the candidature of Messrs. Deakin and Skinner for the Council-election of the Pharmaceutical Society. Mr. J. F. Collin reported satisfactorily on the question of the recruiting of chemists. Mr. R. M. Ling brought forward a draft scheme for reorganising the Association, which the meeting approved of. Mr. A. E. Beeston read a paper on *The Pricing of Insurance Prescriptions*, in the course of which he showed that chemists' profits are less under the new Drug Tariff, and that the payment for appliances is unfair.

**Oldham.**—Mr. J. Allen, 16 Abbeyhills Road, Oldham, has been appointed Secretary of the Oldham Pharmaceutical Association.

**Pharmacists' Volunteer Training Corps.**—Mr. E. A. Atkins, Commandant, appeals for the formation by pharmacists of sanitary sections in connection with the various Volunteer Training Corps throughout the country, in view of the Government recognition which will shortly be given to these bodies and the importance of obtaining a definite recognition of the value of pharmacists in war-work. Further details will be supplied by Mr. Atkins to any Association which desires to take up the idea.

# Insurance Act Dispensing.

**A Record of matters concerning Chemists' interests in the National Health Insurance Acts.**

## Reports from Local Centres.

*With special reference to the supply of medicines and appliances.*

### ENGLAND.

**Blackburn.**—The Insurance Committee last week added the name of Mr. H. Robinson, Walworth Pharmacy, 58A King Street, to the list of persons supplying appliances. As a result of correspondence with the Commissioners, it was decided that emergency drugs and dressings should be supplied by practitioners at a flat rate of 1*s.* per 100 persons. A return of the number of prescriptions dispensed during the past three years showed that the average cost of drugs per insured person has fallen from 29.08*d.* in 1914 to 21.74*d.* in 1915. The deficit on the Drug Fund for 1914 was 673*l.* 19*s.* 9*d.*—The Joint Committee on chemists' recruiting has considered the statistics prepared from the particulars supplied by chemists, and a date is to be arranged for an interview with the Military Representative.

**Holland.**—At a meeting of the Insurance Committee at Spalding, attention was called to the large amounts (600*l.* to 700*l.*) owing to chemists, but the Clerk said that it is the duty of the Pharmaceutical Committee to look after chemists' interests and that chemists had been overpaid for 1914.

**Hull.**—At the meeting of the Insurance Committee on April 5, a protest was received from the chemists as to the small amount offered in settlement of the 1914 accounts. The General Purposes Committee was instructed to try and get a fairer settlement from the Commissioners.

**Lancashire.**—The Insurance Committee had decided to prohibit the use of "Rep. mist." prescriptions in the area, but at the meeting on April 10 a letter was read from the Commissioners, restricting for the present the use of such prescriptions to one month, the date of the original prescription to be indicated. The chemists are to be notified that the prohibition previously decided upon cannot now be enforced. There was considerable discussion on the matter, owing to several unsatisfactory features of the award.—The Rossendale Valley Pharmacists' Association had passed a resolution refusing to dispense "Rep. mist." prescriptions, and have received a communication from the Panel Committee warning chemists of the consequence of refusing to dispense.

**London.**—A meeting of the Pharmaceutical Committee was held on April 11, Mr. A. H. Jenkin in the chair. Mr. Percy Sparks was appointed a member of the Committee in place of Mr. W. T. Bolwell, resigned. Mr. G. A. Tocher (Secretary) reported on various matters, among them being that the average cost of prescriptions in 1915 was 7.87*d.*, and that the Joint Committee on the recruiting of chemists is to submit a further and complete report to the next meeting.

**Northumberland.**—At a meeting of the Insurance Committee in Newcastle, on April 7, the Medical Benefit Sub-Committee reported that the Pharmaceutical Committee is making an inquiry regarding the closing at 6 P.M. of chemists' shops in the Hexham district. The Clerk was asked to make arrangements with the Alnwick chemists for a rota, so that insured persons can have prescriptions dispensed on Sundays and holidays. A Sub-Committee was appointed to act in the matter of chemists' recruiting.

**Sheffield.**—The Insurance Committee has decided to deduct 2½ per cent. each month from the panel chemists' accounts (instead of a lump sum on the first payment, as was contemplated) for the Pharmaceutical Committee's administrative expenses. Permission has also been given, after some hesitation, for the scripts to be removed to London for checking-purposes.

**Smethwick.**—The Medical Benefit Sub-Committee reported to the Insurance Committee on April 4 that it was not considered necessary at present to take action in regard to chemists recruiting. The Finance Committee reported that cheques for 70*l.* 14*s.* 5*d.* have been issued in settlement of chemists' accounts for 1914. The Commissioners have sanctioned altered dates for the payment of chemists' accounts for the first three months of 1916 owing to the impossibility of completing the pricing at the scheduled dates.

**Staffordshire.**—At the meeting of the Insurance Committee on April 1, Dr. Bull complained that he was only paid 1*s.* 8*d.* per head for patients for whom he dispensed during 1914, whereas chemists were paid 2*s.*, with an extra grant to make up the deficiency of the Drug Fund. The Finance Committee is to investigate the matter. The question of the expenses of the Pharmaceutical Committee was postponed pending further information as to the intentions of the Panel Committee in regard to a voluntary levy.

**Stoke-on-Trent.**—At a meeting of the Insurance Committee on April 6, Mr. Edmund Jones, chemist and druggist, referred to the question of excessive prescribing which had been shown on investigation to amount to 1,800*l.* in the first year of the operation of the National Insurance Act. This, he said, caused a loss to chemists of about 1,500*l.* Mr. Jones contended that the matter should not be shelved until the Commissioners had given a decision after a consideration of the evidence supplied by the Pharmaceutical Committee. The Chairman, however, ruled that the Insurance Committee could only act on the information given by the Panel Committee. The Insurance Committee received the report of the Joint Committee on the recruiting of chemists, and are to act thereon.

**Sussex (E.).**—The Insurance Committee, on April 4, received a report from the Medical Benefit Sub-Committee in the matter of the recruiting of chemists. The Sub-Committee also reported on the application of a firm of panel chemists, requesting the Committee to support an appeal to the County Tribunal against the decision of a Local Tribunal refusing exemption to an assistant, but decided to make no recommendation in the case. It was further decided to appoint a Sub-Committee to maintain an adequate pharmaceutical service in the county. The Committee considered in private a report from the Medical Service Sub-Committee as to two practitioners ordering drugs for insured persons to whom they had undertaken to supply drugs personally. The amount which the Committee had had to pay the chemist is to be recovered from the doctors in question.

### SCOTLAND.

**Glasgow.**—The Sub-Committee on the recruiting of chemists, representing the Pharmaceutical Committee and the Glasgow and West of Scotland Chemists' Association, met the Military Representative on April 8. Statistics of the recent census were laid before the Military Representative, who agreed that in the meantime it is inadvisable that any chemist's shop should be closed in the area.

### WALES.

**Denbighshire.**—At a meeting of the Medical Benefit Sub-Committee at Wrexham on March 24, a report showed that during January 5,904 prescriptions were dispensed, at a cost of 134*l.* 16*s.* (10,378, 295*l.* 19*s.* 2*d.* in 1915), and during February 5,818, at a cost of 126*l.* 13*s.* 2*d.* (10,222, 259*l.* 17*s.* 5*d.* in 1915). Mr. Daniel Evans, chemist, Rhos, was allowed to resign from the chemists' panel, as he is disposing of his business. Sums of money, varying from 2*l.* 3*s.* to 102*l.* 10*s.*, were ordered to be deducted from the amounts payable to nine doctors who have prescribed extravagantly. Additions to the Drug Tariff were agreed to as follows: Patent medicines will not be paid for by the Insurance Committee; proprietary names may not be used for remedies of a known composition; a dispensing-fee of 6*d.* will be allowed for after-hours prescriptions marked "Urgent" by the doctor. The Finance Sub-Committee's report included a statement of the administrative expenses of the Pharmaceutical Committee, amounting to 18*l.* 5*s.* 6*d.* The payment which was sanctioned to chemists for the January and February accounts amounted to 262*l.* 5*s.* 11*d.*—The Pharmaceutical Committee met at Chester on April 5, Mr. J. W. Adamson in the chair. Mr. J. B. Francis (Wrexham) and Mr. D. Llewelyn Jones (Colwyn Bay) were appointed to fill vacancies on the Committee caused by the resignation of Mr. D. Evans and Mr. M. W. Lloyd. Mr. C. G. Caldecott and Mr. J. E. Jones (Hon. Secretary) were appointed to confer with the Insurance Committee regarding chemists' recruiting. The Pharmaceutical Society are to check the pricing of prescriptions from April 1. Resolutions of sympathy were passed with the Chairman of the Committee on the death of his wife, and with Councillor L. B. Rowland, J.P., on his illness.

## Notes

The Old Plan and the New.—We are indebted to a correspondent for particulars regarding Insurance dispensing in an area which is particularly well scrutinised. The figures are for December 1915 and for January 1916, thus being for the last month at the old rate and the first month at the new. They show that in December the chemists received 26*l.* 2*s.* for 1,000 prescriptions dispensed, and in January 25*l.* 9*s.* 6*d.* for the same number. In the same district chemists' accounts show that the amounts paid for dispensing-fees are approximately the same as is paid for medicinal ingredients.

# Trade Notes.

C. A. Stokes & Co., Ltd., 31-35 Lower Castle Street, Bristol, are making a feature of British shaving-sticks.

Safety-razor Blades made in this country can be obtained from Hammett's, 422 Mare Street, London, N.E.

The "Extirmo" Fly-catcher is one of the things that really catch flies. Extirmo, Ltd., 2 Amies Street, London, S.W., are the makers.

"Evans' Journal."—The March issue contains a number of valuable communications, and copies of it can be obtained from Evans Sons Lescher & Webb, Ltd., Liverpool and London.

Keating's Powder has not advanced in price, although the quality is maintained. Thomas Keating, 50 Union Street, London, S.E., desires to assist retailers in pushing the sale of it.

War Wants Satisfied.—Potter & Clarke, Ltd., Artillery Lane, London, E., are now able to supply leeches in any quantity, and they have also recently imported a large supply of stavesacre-seeds.

Ayrton's Tablets.—Consequent upon increased duties, Ayrton, Saunders & Co., Ltd., Liverpool, have advanced the prices of their tea, coffee, and cocoa tablets, as specified in their advertisement this week.

Dakin Brothers, Ltd., inform us that they have made arrangements for the termination of Mr. E. H. Nicoll's managing directorship of the company, and accordingly his connection therewith ceased on April 3.

Mr. William Shadforth, Ph.C., as managing director of Shadforth Prescription Service, Ltd., 63 Grove Road, Bow, London, E., in our advertisement pages addresses a letter to the trade regarding the Shadforth prescriptions.

The Indo-Burma Co., Ltd., Wool Exchange, Basinghall Street, London, E.C., intimate that from now until September 30 their office-hours will be from 8 a.m. to 5 p.m., and on Saturdays from 8 a.m. until 12 noon.

Phospho-muriate of Quinine.—The Charles H. Phillips Chemical Co., 14 Henrietta Street, Covent Garden, London, have introduced a new size of this preparation, which retails at 3*s.* per bottle on P.A.T.A. terms, the wholesale price being 27*s.* per dozen.

Anturic Bath Salts.—Sangers, 258 Euston Road, London, N.W., announce that the price of Anturic bath salts has been reduced. The minimum retail price is now 1*s.* 3*d.* (stamped), and the wholesale price 12*s.* Special terms are granted to purchasers willing to arrange window-displays.

The Standard Tablet and Pill Co., Ltd., Hove, mention more than a dozen toilet-preparations which are free from glycerin, and thus conform with the requirements of the Minister of Munitions. We understand that the preparations are excellent cosmetics, and they are beautifully put up.

Jeyes' Fluid.—The prices of Jeyes' fluid have been rearranged by Jeyes' Sanitary Compounds Co., Ltd., 64 Cannon Street, London, E.C., as follows: Protected retail price, 7½*d.* (formerly 6*d.*), wholesale, 5*s.* 6*d.* per dozen; 1*s.* size (formerly 11*d.*), wholesale, 9*s.* 3*d.* per dozen. The opportunity has been taken to improve the rate of profit.

Diamalt Preparations.—The British Diamalt Co., Bishop Stortford, are now selling their dry diamalt, diaparaffin, maltolacton, and liquid diamalt direct to chemists. A special price-list of these preparations, which are on the protected list of the Proprietary Articles Trade Association, has been issued, which can be had by sending a postcard request.

The Sanitas Co., Ltd., Locksley Street, London, E., are now advertising their disinfectants to the public by a magnificent poster in Tube-train stations. This embodies a naval A.B., a mammoth bottle of "Sanitas," and a Life-guardsman, which are "Our National Safeguards." It is one of the most effective posters ever used in the Tube stations. The company have also had the picture reproduced as a postcard.

Compound Syrup of Figs Tablets are produced by the Globe Tablet and Manufacturing Co., Nunhead Green, S.E. They are a little larger than a 5-grain tablet and are agreeable to taste, so that both children and adults can eat them with pleasure. The tablets are an efficient laxative which in obstinate cases has proved to be equal to phenolphthalein. We understand that the sole agents for the tablets are May, Roberts & Co., Ltd., Clerkenwell Road, London, E.C.

Packing-cases, like everything else made of wood, are very expensive at present, but the fact is not realised by chemists and druggists generally. We are indebted to Mr. John C. Umney, F.C.S., of Wright, Layman & Umney, Ltd., Southwark, S.E., for some facts about the matter. His company are charging 1*s.* 6*d.* each for Wright's soap-cases, not returnable, although they actually cost 3*s.* 6¾*d.* each. A provincial chemist complained the other day that he could obtain a similar case for 4*d.*, and Mr. Umney offered to buy from him 10,000 at 2*s.* each, whereupon the chemist began to make inquiries, and found that in his town (where timber is at a lower rate than in London) 3*s.* 4½*d.* each was quoted. Mr. Umney informs us that his company's reason for charging less than half the cost of the cases is the difficulty in getting railway companies to carry empties, and it pays the chemist to retain a Wright case at 1*s.* 6*d.*

# Business Changes.

**Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.**

Mr. J. H. T. Dixon, chemist and druggist, 69 Bridge Street, Worksop, has sold off his stock by auction and closed the business, having been called up for military service.

A. & W. Hemingway, 20 Portman Street, London, W. (lately conducted by Mr. E. Hemingway, chemist and druggist), have amalgamated with Fitch & Ibbotson, 2 Lower Seymour Street, Portman Square, W., under the style of Fitch, Ibbotson & Hemingway.

# Westminster Wisdom.

**By the "C. & D." Parliamentary Representative.**

Chemists and Munition-work.

Sir William Pearce put a question to the Minister of Munitions on April 10, to which Dr. Addison replied, the result being, as Sir William explained to our Parliamentary correspondent, that the fact has now been brought out that the heads of the research Departments are military men, and not great scientists like Sir James Dewar.

Nitrogen Products Co.

In a long question to Mr. Lloyd George on April 12, Mr. T. M. Healy, M.P., inquired whether an advance of 400,000*l.* has been promised or granted to the Nitrogen Products and Carbide Co. and a contract given them to supply the Government with nitrate of ammonia at the rate of 8,000 tons a year or thereabouts.—Dr. Addison replied that the Ministry of Munitions has made a contract with the company on favourable terms for the supply of nitrate of ammonia and nitric acid. The contract was made after careful investigation by Lord Moulton and his staff. The Ministry advanced not 400,000*l.*, but 50,000*l.* at 5 per cent. interest, repayable by deductions from the price of the goods supplied.

## Aerated Waters.

Mr. W. S. Glyn-Jones, M.P., spoke on the second reading of the Finance Bill on Monday, April 10, and, as an East-end M.P., referred especially to the tax on matches. He then went on to deal with the proposals affecting the mineral-water trade, and said he did not for a moment suggest that table-waters, as defined in the Bill, should not be taxed, but anyone who knew anything about the ramifications of the trade would pour ridicule upon the proposals as they appeared in the Bill. He proceeded to criticise the clauses, stating that, as regards the machine-licence, difficulties and hardships would arise. Large numbers of hotels and restaurants had soda-fountains or a machine for making aërated waters which are supplied direct from the machine to the glass. In that case the State will only get 5*l.* 5*s.* per annum for all the soda-water consumed on those premises. He also submitted that if anyone wanted to escape the tax he simply had to buy a seltzogene, and he can make what he wants duty free. He claimed that the Government had brought the trouble upon themselves by not consulting the trade beforehand.

In the Lobby.

The Scottish aërated-water manufacturers were much in evidence in the early part of the week, endeavouring to secure an alteration in the incidence of the proposed new taxation. During the afternoon of Tuesday they had a private conference with a number of Scottish members of Parliament. In this case the chief point which they urged

was that the collection of the tax, by the method indicated in the Bill, of affixing stamps to bottles, is impracticable, and that the duty will fall with special severity upon the poorer classes. They indicated that they did not favour a method of assessment by the gallon, but preferred to be taxed on their turnover. It was decided to draft amendments in this direction.

Mr. T. H. W. Idris visited the Lobby of the House of Commons every day since last week, trying to make clear to members the actual state of things, and informed our Parliamentary representative that the mineral-water manufacturers were to meet the Commissioners of Customs and Excise on the following day. As one who had travelled in most parts of the world, he believed that Rio de Janeiro is the only place where a municipal tax is imposed on syphons. The Finance Bill had been drafted without previous consultation with the trade, and while it would diminish the sale of mineral waters, the proposal, if adopted, would not, in his view, produce the revenue that was estimated. In future, instead of "sparkling waters," the drink would—assuming the tax to be persisted in—be water without any sparkle! He anticipated great difficulties in regard to the label, and much additional expenditure. We also had a chat with Mr. Idris, who much regretted that manufacturers were not pulling together, which condition was hurting them.

Sir Ernest Clarke, the chairman of Schweppes, Ltd., and Sir William Treloar were in the Lobby on Tuesday afternoon, endeavouring to secure an interview with the Chancellor of the Exchequer on the subject of the new duties on mineral waters. Mr. McKenna at the time, however, was receiving a deputation from the match-making interest. In the morning they interviewed the Commissioners of Excise, and pointed out that the proposals in regard to the labels were unworkable, and suggested alternatively that the tax should be on the output from day to day, to be translated later on into actual gallons. Sir L. Guillemard (Chairman of the Board of Customs) promised to consider carefully the views put forward. In the Lobby Sir Ernest Clarke informed our Parliamentary representative that the trade had not been consulted beforehand—a point brought out by Mr. Glyn-Jones in his speech on the second-reading debate. There was a great deal of activity in the Lobbies on the question of the new duties throughout the whole of Monday and Tuesday, and Mr. Idris and other well-known manufacturers were in constant communication on the subject with Mr. Glyn-Jones and other members.

### Question and Answer.

In answer to Mr. J. MacVeagh, M.P., in the House of Commons on Wednesday, the Chancellor of the Exchequer said he was aware that a deputation of mineral-water manufacturers had made strong representations to the Board of Customs and Excise as to the use of stamps on bottles. There might be difficulties in the early days of the tax, but he did not think that in practice they would be so great as anticipated by the trade. He was afraid that the proposal to require every manufacturer to take out a licence and to pay the tax according to his total output, as certified by a firm of chartered accountants, would not be satisfactory.—Mr. MacVeagh asked whether it was not a fact that bottles used by high-class firms had no cork, but glass stoppers. How could he prevent the stamp from coming off, and how did he propose to attach a stamp to a syphon.—Mr. McKenna said he did not apprehend any practical difficulty, but if the hon. member would call at the Board of Customs he would be shown how it could be done. (Laughter.)

### The Committee Stage

of the Finance (New Duties) Bill was reached in the House of Commons shortly before four o'clock on Wednesday, April 12. Clauses 1 and 2, dealing with entertainments, were amended so that charitable and educational matters should not be taxed. Clause 3 (duties on railway fares) was abandoned, and the match-tax (Clause 4) was amended on terms agreed to by the manufacturers, the effect of which will be that three boxes of ordinary matches will cost the user 2*d*. Duties on table-waters were covered by Clauses 5 to 8, and amendments to these were submitted by Mr. Glyn-Jones and others, postponement of Clause 5 being proposed by Sir John McCallum, Mr. MacCallum Scott, Mr. Pringle, Mr. Hogge, Sir Richard Cooper, and Sir Joseph Walton. Postponing and leaving out were the effect of these, but the Chairman (Mr. Whiteley) questioned if the clause could be postponed. Mr. Glyn-Jones was among those who strongly supported postponement, as also did Sir R. Cooper; but Mr. Montagu told the House that he would receive a deputation at the Treasury at 12.30 P.M. on Thursday, so the amendment was withdrawn.

Mr. Glyn-Jones then moved to leave out from the clause the three paragraphs after "(namely)"—*C. & D.*, April 8, p. 43—substituting for them "ten per centum of the selling-price." This the Deputy-Chairman (Mr. Donald Maclean), who now presided, ruled to be out of order. Mr. Glyn-Jones next proposed that the words in Sub-Section 1, imposing 8*d*. per gal. duty on other table-waters, should be left out. He spoke at length on this subject, proposing the duty instead be levied upon the carbonating material (gas or other) used in making aërated waters, rather than that the bottles and syphons should be stamped. The Deputy-Chairman again intervened, and Mr. Montagu, Sir R. Cooper, Mr. King, and Mr. Morton also spoke; but Mr. Glyn-Jones withdrew his amendment, and proposed another to ensure that the waters are "made with gas." Here he emphasised the importance of his taxing the gas idea, and, in order to show how heavy the stamping proposal would be, stated that a London firm last year had a turnover of 110,000,000 bottles, and another 24,000,000. He submitted that the machine-licence might defeat the Chancellor's estimate that the tax would yield 2,000,000*l*. a year, but the Glyn-Jones method would save it; in fact, the hon. member was on this point particularly convincing. He was followed by Mr. MacCallum Scott, Sir J. Walton, Sir R. Cooper, and others. Then the Chancellor of the Exchequer replied. He said he was advised that the only way to make sure of the revenue was to raise it by means of stamps on the bottles. His right hon. friend (Mr. Montagu) would see a deputation of the trade to-morrow, when their representations would be received. Meanwhile it might be admitted that there was undoubtedly one grievance exposed by the argument of Mr. Glyn-Jones—viz., the grievance that they proposed the tax of only 5*l*. for the licence for an aërated-water machine. That question would be reconsidered; the Government would endeavour before they brought in the next Bill to introduce a proper scale—he meant the Finance Bill to be brought in after Easter. Mr. MacVeagh and Mr. T. Wilson then spoke, and Mr. Glyn-Jones said that as there was a good chance of getting the Chancellor to consider the matter "to-morrow," he withdrew the amendment. The next amendment was to leave out the second part of Clause 5, which, he pointed out, would include milk. The Chancellor replied, stating in the course of his remarks that mineral waters such as Vichy will be taxed, but distilled water will not be if not used as table-waters. So the amendment was withdrawn, and the clause was agreed to, as also was Clause 6, imposing a duty of 4*d*. a gallon on cider, after a lengthy discussion.

### Thursday's Proceedings.

A deputation waited on Mr. Montagu at the Treasury on April 13, consisting of Mr. W. S. Glyn-Jones, M.P., Sir E. Clarke, Mr. MacCallum Scott, M.P., Mr. MacVeagh, M.P., Sir John McCallum, M.P., and others. The proceedings were private.

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In the House of Commons on April 13, Mr. Montagu referred to the deputation, which represented 95 per cent. of the whole trade. The deputation placed its views before him with a cogency which it was impossible to resist, that in a business in which is involved the rapid handling of very low-priced goods, and at a time when labour is scarce and when it is desirable to use labour in the most profitable manner, and when it is difficult to lock up large sums of money for a long period, the collection of the duty by the stamp method is not the best temporary way. It would be difficult to entrust young people with labels of, say, ¼*d*., ½*d*., and 1*d*. in value which must not be lost or damaged. The deputation assured the Government that they did not dispute the justice of the tax, and were prepared to give every assistance in its collection. The deputation asked the Government to delay the imposition of the tax until the best possible machinery could be devised, but to that proposal he was not prepared to ask the House of Commons to assent. Offers had been made to the Government on behalf of the trade that there should be small modifications or alternative methods of collection as a temporary expedient to apply at once, and that an expert Committee should be appointed to confer with the Government as to the best possible machinery for the collection of the tax. The alternative proposal is to charge the rate per gallon on the certificate of the output of the manufacturers. There are 3,000 large well-established firms, and it would be a matter of some difficulty to make sure that they would get correct returns. They had, however, the good will of the trade, and the Government propose to issue forms to these firms to enable them to state their output, and on that the tax would be collected. If the House agreed, the duties would be charged from May 1.

# Trade Report.

**The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.**

### 42 Cannon Street, E.C., April 13, 6.30 p.m.

Business continues quiet, with few outstanding changes to note. New Norwegian cod-liver oil has now reached a figure which is nominal and will seriously affect its sale. Bromides are on the easier side, owing to a pause in the demand. Cream of tartar is rather dearer, and citric and tartaric acids are very firm. Milk-sugar is temporarily scarce and dearer; methyl-salicylate, ergot, lycopodium, Persian opium, tragacanth, castor oil, saffron, and turpentine are all more or less cheaper.

| Higher | Firmer | Easier | Lower |
|---|---|---|---|
| Caraway-seed | Bergamot oil | Bromides | Acetanilide |
| Cod-liver oil (Norw.) | Coriander-seed | Corrosive sublimate | Castor oil |
| Fenugreek-seed | Cream of tartar | Ergot | Saffron |
| Glucose | Lemon oil | Lycopodium | Turpentine |
| Mustard-seed | Milk-sugar | Methyl salicylate | |
| Soy | Orange oil | Opium (Persian) | |
| | | Quicksilver | |
| | | Tragacanth | |

### Cablegrams.

Bergen, April 13.—The Norwegian cod-fishing continues poor; the market for finest new medicinal Lofoten oil is dearer at about 730*s.* per barrel c.i.f. London.

New York, April 12.—Business in drugs is quiet. Guarana is dearer at $1.10 per lb. Sweet oil of birch has been reduced to $3.00. Stramonium-leaves have been advanced to 25c., and belladonna-leaves to $2.00. Gentian and dandelion are lower, both offering at 26c. per lb. Long buchu is cheaper at $1.25.

Acetanilide is offered at from 8*s.* 6*d.* to 9*s.* per lb. to come forward.

Acetic Acid.—Glacial (99 to 100 per cent.) is quoted at 240*s.* per cwt. in carboys, and 80-per-cent. commercial in casks at from 170*s.* to 180*s.* In spite of these high prices, the demand is maintained.

Acetic Anhydride is dearer at from 11*s.* 6*d.* to 12*s.* per lb.

Acetyl-salicylic Acid is quoted at from 47*s.* 6*d.* to 48*s.* 6*d.* per lb.

Amidopyrin is offered at 68*s.* to 70*s.* per lb. in quantity for export.

Ammonia Sulphate.—Quiet. London is 16*l.* per ton net naked at works for 25-per-cent. ammonia for prompt delivery; Hull prompt (24-per-cent.) is 16*l.* 12*s.* 6*d.*, Liverpool is 16*l.* 15*s.*, and Leith is 17*l.* per ton, less 3½ per cent. in bags f.o.b.

Anise Oil (Star).—"Red Ship" brand is offered at 3*s.* 5*d.* per lb. spot, and for April-May shipment 3*s.* 3*d.* c.i.f. has been paid.

Aniseed is unchanged in price at 55*s.* per cwt. for good Spanish.

Areca.—Good sound are offered at from 35*s.* to 37*s.* 6*d.* on spot.

Balsams.—*Copaiba* remains firm at 3*s.* 1*d.* per lb. c.i.f. for Maracaibo to arrive. *Peru* is 18*s.* net on spot for genuine, and 16*s.* 6*d.* c.i.f. to arrive. *Tolu* is 1*s.* 7*d.* to 1*s.* 8*d.* on spot as to quality.

Bergamot Oil.—A Sicilian advice dated April 1 states that local requirements do not appear to be entirely covered yet, and a more insistent demand is reported. Producers and holders prefer to warchouse and mortgage their stocks rather than sell even at the advanced prices paid during the last few days. London spot prices are firm at about 15*s.*, and to come forward up to 14*s.* 9*d.* c.i.f. is quoted.

Bromides.—The lull in demand has brought out cheaper second-hand offers in competition with makers, and the top prices are not now obtainable. English makers quote 23*s.* net for potash, and American is offered at 21*s.* net. Soda has been sold at 16*s.* 9*d.* to 17*s.*

Canary-seed is slow of sale at 78*s.* per quarter for fair Morocco and at 80*s.* for good. Fine Spanish is quoted 100*s.* to 110*s.* per quarter.

Caraway-seed is scarce and dearer, the quotation being 70*s.* per cwt. for fair Dutch.

Chamomiles.—French are selling on the spot at from 112*s.* 6*d.* to 115*s.* per cwt. for fair white, but for good white 1915 crop up to 150*s.* is wanted in one quarter.

Chloral Hydrate is quoted at from 10*s.* 6*d.* to 11*s.* per lb. in bond.

Cinchona.—At the London auction on Tuesday 137 packages offered, and ten bundles East Indian sold at 9*d.* per lb. for thin long officinalis quill. The bark shipments from Java to Europe during March amounted to 1,353,830 Amst. lb., against 524,000 Amst. lb. in March 1915. In our issue of April 1 (p. 48) we stated that the Kina-Bureau of Amsterdam announced the unit of February 19 as having been definitely fixed at 9.22 cents per half-kilo. This date should have been January 19.

Citric Acid is firm at 3*s.* 10*d.* per lb. on spot, but still higher prices are expected.

Cloves are firmer, sellers of fair Zanzibar asking 7½*d.* spot; for delivery June-August has been sold at 7$\frac{9}{16}$*d.* to 7$\frac{23}{32}$*d.*, and for arrival March-May is quoted at 7$\frac{11}{16}$*d.* c.i.f. d.w.

Coca-leaves.—The shipments from Java to Europe during March 1916 amounted to 142 packages, against 2,120 packages during March 1915. The total shipments (January-March) are not known as the telegram mentioning the February shipments did not come to hand.

Cocaine is quiet at from 27*s.* 6*d.* per oz., less 5 per cent. for hydrochloride.

Cod-liver Oil.—At the present enormously inflated values, which it is difficult for the trade to take as serious, there is practically no business doing, especially as the position changes from day to day. The prices are therefore nominal, the latest quotation being given in our cable. It is stated that the chief buyers are Germany and Russia; the former country pay about 60 per cent. of these inflated prices in cash, and the Norwegians take the remainder out in War Loan through the Norwegian banks. Even if the Norwegian refiner gets no more than his 60 per cent., the transaction at present prices is profitable. So far as the United Kingdom is concerned, the consumptive demand for oil and malt and oil is likely to be extremely small this year, owing to the high retail prices and to the fact that the working-classes were never better fed. Newfoundland on the spot has been sold at 430*s.* per barrel for 1915 oil. Our Bergen correspondent writes on April 3 that the catch of cod is still making slow progress but the yield of oil is fair. To-day's report gives the following totals:

| April 1 | 1913 | 1914 | 1915 | 1916 |
|---|---|---|---|---|
| Catch of cod (millions) ... | 30.7 | 5.27 | 4.29 | 32.2 |
| Yield of c.l.o. (hect.) ... | 20,500 | 39,900 | 35,300 | 38,700 |
| Livers for "raw" oils (hect.) ... ... ... | 4,700 | 7,000 | 6,300 | 3,600 |

The prospects for a material change in the fishing are very small. Prices for non-congealing oil have rapidly risen during the last few days.

Our Bergen correspondent writes on April 10 that the results of the cod-fisheries up to date are as follows:

| | 1913 | 1914 | 1915 | 1916 |
|---|---|---|---|---|
| Catch of cod (millions) ... | 36 | 57.6 | 46 8 | 37.9 |
| Yield of c.l.o. (hect.) ... | 23,600 | 42,900 | 39,200 | 46,100 |
| Yield of liver for "raw" oils (hect.) ... ... | 4,900 | 8,000 | 6,600 | 4,000 |

The catch is very poor in all districts outside Finmarken, where the season is now about to start. The market is very firm at a quotation about 705*s.* per barrel c.i.f. for prime non-congealing oil.

Copper Sulphate is nominal and scarce at from 51*l.* 10*s.* to 52*l.* per ton for the usual brands.

Coriander-seed is in good demand and prices have again advanced. Common Morocco is quoted 18*s.*, ordinary 19*s.* to 20*s.*, and good 21*s.* per cwt.

Coumarin is rather dearer at 40*s.* per lb.

Cream of Tartar is rather firmer at 200*s.* per cwt. for 98-per-cent. powder.

Cumin-seed.—Stocks are almost exhausted, the small quantity of Morocco available is worth about 100*s.* per cwt.

Ergot is tending easier on spot, either Russian or Spanish offering at 2*s.* 4*d.* per lb.

Fennel-seed is unchanged at 32*s.* 6*d.* per cwt.

Fenugreek-seed is dearer; 13*s.* 6*d.* per cwt. has been paid for fair Morocco, and 14*s.* is now asked.

Formaldehyde.—Stocks have been practically cleared from the various centres, but shipments are beginning to arrive again from the United States, and a modification in values is looked for later. Contracts for forward delivery are being solicited for from the U.S.A. at previous prices.

Gentian continues very scarce on spot, but is expected to be more plentiful about the end of the month when shipments are expected; the nominal spot value is about 95*s.*

Glucose is dearer at 34*s.* to 35*s.* per cwt. ex wharf London.

Heliotropine is offered at from 18*s.* 6*d.* to 20*s.* per lb.

Hexamine.—Spot stocks are now much less than formerly, and prices are tending higher at from 4*s.* 3*d.* to 5*s.* per lb. for small lots, as to seller.

Hydroquinone is quoted at from 35*s.* to 37*s.* 6*d.* per lb.

Ipecacuanha.—Quiet, with fair Matto Grosso offering at 21*s.* by single bales, and Cartagena at 12*s.* 6*d.* upwards.

Lemon Oil.—Prices if anything are a shade firmer, shippers quoting from 3*s.* 9*d.* to 4*s.* 3*d.* per lb. c.i.f., the spot value being 4*s.* Under date of April 1 a Sicilian shipper writes that the demand from abroad has not been very important, but the local demand has improved, this being due to covering operations against previous sales in blank made at very low prices.

Lime Oil.—West Indian distilled is firm at 9*s.*, and hand-pressed at 10*s.* on the spot.

Linseed is steady at 85*s.* to 90*s.* per quarter for good qualities.

Lycopodium is offered at from 9*s.* to 9*s.* 6*d.* per lb. on the spot: a cable offer of 6*s.* 9*d.* has been made for treble-sifted for prompt shipment by parcel post from Russia.

Menthol is steady, the sales for arrival including 25 cases Suzuki at 12*s.* 3*d.* c.i.f. Marseilles; also 50 cases of oil at 4*s.* 1½*d.* c.i.f. Marseilles. The spot price is 13*s.* 3*d.*

The exports from Japan during December were 32,998 kin, valued at 313,310 yen. For the past three years the exports have been:

| | 1913. | 1914. | 1915. |
|---|---|---|---|
| Kin ... ... | 232,912 | 269,266 | 325,464 |
| Yen ... ... | 2,872,854 | 1,816,096 | 1,805,114 |

The following were the destinations:

| | 1913. | 1914. | 1915. |
|---|---|---|---|
| British India ... | 10,448 | 13,906 | 26,177 |
| Great Britain ... | 63,441 | 42,720 | 59,246 |
| France ... ... | 28,469 | 22,329 | 41,774 |
| Germany ... ... | 79,102 | 82,600 | — |
| U.S.A. ... ... ... | 41,461 | 89,496 | 172,590 |
| Other countries ... | 9,991 | 18,215 | 25,677 |
| | 232,912 | 269,266 | 325,464 |

Methyl Salicylate.—With fair arrivals prices are still tending easier at from 14*s.* per lb. upwards.

Metol is offered at 90*s.* per lb.

Milk Sugar is firmer: sales of American powder on spot have been made at 95*s.*, and for Dutch make 100*s.* is asked on spot and 95*s.* to come forward.

Mustard-seed is dearer; good English having been sold at 77*s.* 6*d.* per cwt.

Oils (Fixed).—*Linseed* closes at 38*s.* 6*d.* in pipes and 39*s.* 6*d.* in barrels on the spot; April 38*s.* 3*d.* buyers. *Cottonseed* is firm at 43*s.* 6*d.* for crude in pipes, 48*s.* 6*d.* for refined in pipes, and at from 53*s.* to 54*s.* for sweet refined in barrels—all on spot. Ceylon *Coconut* is firm at 61*s.* in hogsheads and 59*s.* in pipes, both on spot; Cochin is 60*s.* to 62*s.* on spot, and London pressed is 53*s.* to 54*s.* Ordinary brown crude naked *Rape* is scarce and nominal; British refined in barrels is 55*s.* to 56*s.*; Japan in cases is easier at 43*s.* 6*d.* c.i.f. afloat. *Soya* oil is easier at 37*s.* for Manchurian in cases afloat, and 37*s.* 6*d.* for April-May; Hull (spot) extracted is 40*s.*, and crushed 40*s.* 6*d.* Lagos *Palm* is steady at 48*s.* spot, and in Liverpool 42*s.* 6*d.* is quoted.

Opium.—The spot supply of Persian is about 1,500 cases, much more than is wanted for home consumption, yet export licences are still being withheld. Prices tend easier, 10-per-cent. offering at 24*s.* Of Salonica soft shipping qualities a fair quantity has been placed at full prices.

Orange Oil.—Sicily reports a further advance in prices and renewed firmness. Stocks of the last crop appear to be limited, and holders increase their ideas of value with each transaction: for prompt shipment 9*s.* 6*d.* to 10*s.* c.i.f. is quoted, the latter for finest oil.

Orange-peel.—New crop Tripoli strip of good bright quality is selling at 1*s.* 11*d.*

Peppermint Oil.—American in tins is quiet at 8*s.* 9*d.* on spot and 8*s.* 6*d.* to come forward

Phenacetin is firm at about 69*s.* per lb.

Potash Iodide.—The exports from Japan during December amounted to 12,701 kin valued at 98,415 yen. For the twelve months the exports were:

| | 1913 | 1914 | 1915 |
|---|---|---|---|
| Kin ... ... | 54,225 | 92,153 | 129,892 |
| Yen ... ... | 323,947 | 627,464 | 990,507 |

Of *crude iodine* the exports in December were 90 kin, and in 1915 3,725 kin, against 13,492 kin in 1914 and 20,210 kin in 1913; 14,197 kin of *refined iodine* was also exported in 1915.

Potash Permanganate.—Slow of sale at 9*s.* per lb., with rather less paid. Several small arrivals have taken place from the Continent.

Potashes are still scarce, with Montreal offering at 165*s.* per cwt. for first Government brand.

Pyrogallic Acid is quoted at from 11*s.* 6*d.* to 12*s.* per lb. for crystals and resublimed respectively.

Quicksilver is a trifle on the easier side at from 16*l.* 10*s.* to 16*l.* 12*s.* 6*d.* per bottle; 10,000 bottles have arrived.

Quinine is unchanged at from 3*s.* 4*d.* to 3*s.* 6*d.* per oz. for the usual brands of sulphate from second-hands. The Dutch makers hold firmly to their prices, and can supply all reasonable requirements. The landings in London during March were 110,496 oz. and the deliveries 101,072 oz., leaving a stock on March 31, 1916, of 1,450,928 oz., against 2,585,120 oz. in 1915. The following statistics are from the Board of Trade Returns:

| | 1914 oz. | 1915 oz. | 1916 oz. |
|---|---|---|---|
| March imports ... ... | 93,658 | 202,520 | 449,459 |
| Jan.-March ... ... | 542,200 | 580,268 | 1,179,619 |
| British exports—March | 97,104 | 220,101 | 105,288 |
| Jan.-March ... ... | 353,514 | 485,006 | 416,672 |
| Re-exports—March — | 16,796 | 4,500 | 30,161 |
| Jan.-March ... ... | 23,751 | 41,183 | 144,203 |

Salicylates.—Sodium salicylate is on the easy side, U.S.P. powder offering at about 19*s.* to 19*s.* 6*d.* Salicylic-acid powder, U.S.P., is about 20*s.*

Santonin.—Second-hand supplies are in small compass, and from 155*s.* to 160*s.* per lb. would have to be paid as to quantity.

Shellac is firm and in rather more spot demand, usual standard TN quality selling at 94*s.* on spot and good at 95*s.*; fine Orange is worth 115*s.* to 120*s.*, AC Garnet 90*s.*, and G.A.L. 85*s.*

Soy.—With the additional duty the price of Seuloong brand is now 2*s.* 8*d.* per gallon duty paid.

Tartaric Acid has advanced a further 1*d.* to 3*s.* 10*d.* for spot delivery. There are some good inquiries in the market for Russia.

Terpineol is offered at from 3*s.* 9*d.* to 4*s.* per lb.

Thymol ex ajowan-seed is offered at about 40*s.* per lb.

Tragacanth.—Pending the issue of licences for exportation, business is at a standstill. Fine qualities are in better supply, and good white druggists' flake is obtainable at 50*l.* per cwt., being easier. The stock of all grades in London is over 4,400 packages.

Turmeric.—The London stock at the end of March was 199 tons, against 482 tons: the deliveries during the first quarter of the year were 148 tons, against 93, and the landings were only 27 tons against 262 tons, showing how the stock has been depleted. Fair Madras finger has been sold at 45*s.*, Bengal is quoted at 40*s.* to 42*s.* 6*d.*, and Cochin split bulbs 22*s.* 6*d.* to 25*s.*

Turpentine is 6*d.* per cwt. lower, American closing at 48*s.* 9*d.* on the spot, and May-June 48*s.* 6*d.*

## Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets under date of March 11 and 13:

Agar-agar is offered in small lots at from m.13 to m.13.50 per kilo.

Ammon. Carb. is offered in larger quantities than wanted, and prices are lower. Prompt delivery is from m.175 to m.185 and April m.150 per 100 kilos.

Amyl Preps. have been advanced to m.425 for technically pure amyl acetate; m.455 for c.p. amyl acetate; m.490 for amylic alcohol 128° to 132°; and m.520 for 130° to 132°.

Balsam Peru is obtainable in small quantities only at m.45 per kilo.

Balsam Tolu is firm, with sales of small at m.7.50.

Cantharides have been sold in small lots at m.47.50 per kilo.

Carbon Black has failed completely, only very small second-hand parcels offering at very high prices

Carragheen Moss is active at present at m.260.

Cascara Sagrada has been sold in small quantities at from m.375 to m.400.

Cassia Fistula is still obtainable at m.40.

Chloroform has advanced to from m.350 to m.370 per 100 kilos.; demand is steadily increasing, and makers cannot give prompt delivery.

Citric Acid remains very firm at from m.15 to m.15.50.

Cod-liver Oil.—Medicinal has advanced to m.550 per 100 kilos.

Condurango has been sold in large quantities at from m.125 to m.130.

Coumarin has been advanced by m.15 per kilo. by the makers to m.75.

Cream of Tartar is only obtainable in small quantities at from m.700 to m.725.

Elemi is firm, and has been sold at m.350.

Ergot.—Demand has slightly increased at from m.7 to m.8 per kilo.

Gum Arabic remains active. Natural Kordofan has been sold in considerable quantities at from m.350 to m.360.

Hydroquinine is quoted at from m.19 to m.20 per kilo.

Kola has been sold in small lots at from m.140 to m.145.

Mastich is higher in consequence of increasing demand.

Milk-sugar has been advanced by m.50, and prices vary from m.220 to m.245 per 100 kilos.; only small quantities of milk are obtainable by the factories.

Oils (Essential).—*Star-anise* has been sold at m.18; *Bergamot* is still m.42. *Eucalyptus Globulus* is m.7. *Clove* is m.22. Siberian *Pine-needle oil* is m.6.50. *Sandalwood oil* is m.63.

Waxes.—The nominal value of *Bees'* is m.550. Prices of *Carnauba* are advancing considerably.

Zinc Oxide has again been advanced by m.6. Green seal is m.100.50, red seal m.94.50.

### Arrivals of Chemicals, Drugs, etc.

The following is a selection of arrivals during the period March 29 to April 3 inclusive in the English ports named. Goods in transit are not included. The figures refer to the packages—*e.g.*, cases, bags, barrels, boxes, kegs, etc. The weights, when known, are specified:

*To London.*
Acetic acid 16 cks. 47 blns.
Alum 220
Anise (Fr.) 21
Arachis oil 532
Argol 60
Arsenic 68 cks.
Barytes su. 1,000
Boric acid (It.) 171 brls.
Bromides (U.S.A.) 89 cs.
Buchu 19
Calc. carbide 5,164
Camphor oil 120
Camphor, ref. 10
Caraway-seed 90
Cardamoms 197
Castor oil (It.) 100
Chem. and drugs (Fr.) 147
Cinnamon 649
Cochineal 512
Coconut oil 122 pps. 70 pns. 51 hds. 31 cks. 840 cs.
Cod oil (Jap.) 100
Copra 1,625
Cream of tartar (Fr.) 141 cks. (It.) 120
Dextrin 100
Dragon's-blood 2
Dyes (Fr.) 18 cs.
Egg-yolk 318
Essent. oils (Fr.) 10 cs. 2 pots, (N.Y.) 80, (R'dam) 11, (It.) 238
Ethyl chlor. (Fr.) 5 cs.
Gamboge 4 cs.
Gelatin (Fr.) 117
Glucose 600
Ground-nuts 600
Honey (Fr.) 17 brls. 65 cks.
G. copal 58
G. kauri 335
Indigo (E.I.) 462
Juniper berr. 85
Lactic ac. 10
Laurel-leaves (It.) 104
Lavend. oil (Fr.) 3 cks. 2 dms.
Linseed (E.I.) 14,330
Liquorice 10 cs.
Manna 2 cs.
Medicines (R'dam) 26 (U.S.A.) 71
Milk-powder 120
Milk-sugar 80
Mint oil 30 cs.
Nutmegs 50 cs.
Nux vom. 270 bgs.
Olive oil (It.) 69 pps. 175 ½-chts. 50 bxs. (Fr.) 80 cks. 103 cs.
Opium (B'bay) 100 cs.
Orris (It.) 28
Perfumery (Fr.) 48
Pet. emul. (U.S.A.) 1,380
Petrolatum 140
Potash (Norw.) 53
Rape oil 4,446
Rape-seed 696
Rhubarb 11
Roots, barks, herbs, etc. (Fr.) 359 bls.; *seeds* 259 bls. (It.) 64
Saltpetre 5,829
Sesame-seed 22,350
Shellac 1,380; button 42
Soya oil 295 dms.
Tart. acid (It.) 20
Tartar (Fr.) 585
Vanilla 42 cs.
Wax, bees' (Fr.) 458 pkgs. (Cal.) 27

*To Liverpool.*
Acids (N.Y.) 90 brls.
Alcohol, wood 80
Antim. ore 214
Balsams (Cartag.) 16 cs.
Barytes 200
Calc. chlor. (N.Y.) 144
Casein 402
Cod oil (St. John) 293
Cod-l. oil (St. John) 30
Copra 9,659
Cuttlefish 25
Cream tart. (Fr.) 78
Drugs (N.Y.) 303 pkgs.; chemical (N.Y.) 10
G. copal 137 brls.
Ground-nuts 122 t.
Gum, undescribed (W.C. Af.) 53
Iodine 992 kgs.
Olive oil (Fr.) 1,301 cs.
Palm-kern. 32,905
Palm oil 1,929
Pepper (W.C. Af.) 733
Potashes 13 cks.
Saltpetre 920
Soda nitrate 23,156
Spermaceti 70
Thorium nit. (U.S.A.) 16
Valonea 16,600
Vanilla (Fr.) 4 cs.
Wax, bees' (W.C. Af.) 595, (Sp.) 45
Wine-lees 59

*To Hull.*
Boric acid (It.) 72
Castor-seed 39,792
Chem. prod. (Fr.) 262
Coconut oil 140 cks.
Cottonseed (Egy.) 7,967 t., (E.I.) 95,362
Formic ac. 150 blns.
Ground-nuts 1,114 t. 2,666 bgs.
Linseed (B. Ayres) 41,308, (E.I.) 4,405
Olive oil (It.) 100 bxs., (Sp.) 775 brls.
Orris (It.) 12
Rape-seed 22,142

*To Goole.*—Essential oils (Fr.) 22 cs. *To Grimsby.*—Colours (Fr.) 334 pkgs.; tannic acid (Fr.) 38 brls. *To Manchester.*—Acetic acid 84 brls.; alum (U.S.A.) 560; arachis oil 120 cks.; beta-naphthol (N.Y.) 4; calcium carb. 1,500; dental cream (N.Y.) 800 bxs.; formaldehyde 80; gums, undescribed (Alex.) 303. *To Folkestone.*—Drugs (Fr.) 4 pkgs.; perfumery (Fr.) 27 pkgs.

# Wills.

The late Sir Clements Robert Markham, K.C.B., left property of the value of 7,740*l.* 7*s.* 8*d.*, the net personalty being 7,413*l.* 18*s.*

The late Dr. George Kirkwood, Peterborough, who left estate valued at 31,796*l.* bequeathed 100*l.* to his dispenser, Robert Vince Cowburn.

The late John Cross, dispensing chemist, Redhill, Surrey, left property of the gross value of 9,337*l.* 19*s.* 1*d.*, the net personalty being 3,998*l.* 15*s.* 1*d.*

The late William Henry Sandwith, Ph.C., Bracknell, Berks, left estate of the gross value of 10,106*l.* 0*s.* 5*d.*, of which 6,049*l.* 14*s.* 8*d.* is net personalty.

The late John Davies (otherwise John Thomas Davies), pharmacist, Swansea, Glamorgan, left estate valued at 22,920*l.* 6*s.* 4*d.* gross, with net personalty 15,196*l.* 10*s.* 11*d.*

Mr. John Jacob, of Lyndhurst, Church Road, Hereford, retired chemical-manufacturer, who died on October 23, left estate in the United Kingdom valued at 7,966*l.* 17*s.* 8*d.*

Mr. George Stevens, Chatham, formerly carrying on business as a pawnbroker at Strood and Brompton, and originally a chemist and druggist in High Street, Strood, who died on February 19, aged ninety-seven years, left property of the value of 35,207*l.* 4*s.*, the net personalty being 31,476*l.* 1*s.* 8*d.*

# New Indian Taxes.

The general import tariff, which has been at the rate of 5 per cent. *ad valorem* since 1894, has now been raised to 7½ per cent. *ad valorem*. This includes "chemicals, drugs, and medicines, all sorts, not otherwise specified." The free list has been materially curtailed, but quinine and anti-plague serum are free of duty. The rates on spirits have been recast, and the rate prescribed for potable spirit will again, in accordance with previous practice, apply to spirit of the same description manufactured in India and technically known as "foreign spirits." The new rates are as follows:

(*a*) Perfumed spirit, per liquid gallon Rs. 18-12.

(*b*) Liqueurs, cordials, mixtures, and other preparations containing spirit—(1) if entered in such a manner as to indicate that the strength is not to be tested, Rs. 14-10 per liquid gallon; (2) if tested, Rs. 11-4 per proof gallon.

(*c*) Spirit which has been rendered effectually and permanently unfit for human consumption, 7½ per cent. *ad valorem*.

(*d*) Spirit, other sorts, per proof gallon Rs. 11-4.

In explanation of these proposals Sir William Meyer, in introducing the Budget, said: (*a*) The rate on potable spirit, which is, of course, much the most important item, is to be raised from Rs. 9-6 to Rs. 11-4 per proof gallon, so as to bring the Indian rate of duty to the level of the English rate, which is approximately 15*s.* per proof gallon.

(*b*) The preferential rate of Rs. 7-13 per proof gallon which was accorded by the Tariff of 1910 to spirit contained in drugs, medicines, or chemicals is now to be withdrawn. This preferential rate evoked protests from manufacturing chemists in India, who had to pay for imported spirit required by them for the local manufacture of drugs at the rate applicable to potable spirit, and were therefore placed at a disadvantage compared with manufacturing chemists outside India. To remove this disability administrative arrangements have been in force since 1910, under which Indian manufacturing chemists have been able to obtain spirit at the rate of Rs. 7-13 per proof gallon. We propose to adjust these difficulties, and at the same time to obtain a larger revenue, by taxing the spirit now in question at the same rate as potable spirit.

(*c*) Similarly, administrative difficulties have arisen in connection with the treatment prescribed in 1910 for the assessment of liqueurs, cordials, and perfumed spirit and toilet-preparations. The proposals now put forward follow closely the procedure adopted in England in the treatment of these spirituous preparations. A higher liquid-gallon rate—viz., Rs. 18-12, corresponding to the English rate of 1*l.* 5*s.*—is proposed for perfumed spirit, and a somewhat lower liquid-gallon rate is proposed for all spirit not tested, other than perfumed spirit. The present position is that perfumed spirit pays Rs. 13 per liquid gallon, while liqueurs, etc., pay at the same rate, and without any statutory option of test with reference to proof strength, an omission which weighs unduly on the weaker liqueurs.

# Correspondence

**Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.**

### Hydrocyanic Acid.

Sir,—Mr. Cowie has rendered me illogical by the simple process of attributing to me something which I never said. That there exists a compound whose composition is represented by the formula $AgNa(CN)_2$ is not open to question by anybody. The question which emerged was whether the said compound might be correctly described as "a double salt." I affirmed that it could, and quoted from two excellent text-books in confirmation. That, according to a particular theory, another name is to be preferred does not render the expression first employed incorrect. It is very bad logic to assume that it does.—Yours, etc.,

Edinburgh. D. B. Dott.

### "Not Soothing."

*Mr. J. Austin Bayes* (Rugby) writes in regard to a statement by Dr. A. Bostock Hill, medical officer of health for Warwickshire, on reasons for not using "comforters," and says the selling of these articles is assisting in sowing seeds of much trouble for children and parents. The scarcity of soothers in the trade just now would make it easy for most chemists to take the stand of discontinuing the sale entirely. Mr. Bayes did this a year ago, very shortly after establishing a new business, and is not conscious of any serious adverse effect upon the development of his venture. Mr. Bayes will be glad to send a copy of Dr. Hill's leaflet to anyone who asks him for it.

### The Local Associations Conference.

*Mr. Sydney F. Body* (Southend and Westcliff) replies to the criticism of his letter (*C. & D.*, April 1, p. 51) by "Xrayser II." (*C. & D.*, April 8, p. 40). He compares the criticism to a morning cold douche, and adds: "'Xrayser II.' possesses a facility which scores in the literary sense, but I respectfully submit that his arguments are deplorably unconvincing to a business mind capable of dissecting facts and applying principles upon practical lines. It is conceivable that his theories may find acceptance with many chemists, but I venture to say that such reasoning explains to a very large extent the financial inadequacies now surrounding pharmacy generally. As long as chemists neglect the application of business principles to any form of organisation the result can never be successful, either in a progressive, economic, or executive sense."

### The Pharmaceutical Council Election.

Sir,—There are seven vacant seats on the Council; there are six Councillors seeking re-election; and there are four fresh candidates. I do not know which (if any) of the "old gang" are being specifically opposed, or what reason has been alleged for opposition in any particular case; and I know no more of the aims and intentions of the new men than I have been able to gather casually from reports and correspondence. I am aware that two of them have the support of several Local Associations, and that a third, also locally supported, is a trenchant critic of the present Council, which are excellent recommendations as far as they go; but how much agreement there is among themselves as to general policy, or what line of action they intend, jointly or severally, to take with regard to matters of immediately pressing importance I do not know. I suspect that I am not singular in this. Our real need is a Council elected on a thoroughly democratic basis, that would reflect directly the opinions of the trade on all matters as they arise, and would be instantly responsive to its wishes. No representative scheme that has yet been proposed holds out so good a promise of this as the territorial one; it would, among other things, create all over the country a living interest in the work of the Society. I do not wish to labour the point, and I believe our four stalwarts are doing the best they can in the circumstances, but is it conceivable that with such a system we should be so uncertain in our opinions, so slack in our efforts, so indeterminate in everything as we are at present? We are like sheep without a shepherd, an army without a leader; which of the Four speaks first for the vacant post?

Yours faithfully,

X. (192/40.)

### Stock Mixtures and Repeat Prescriptions.

Sir,—In Dr. Cox a Daniel has indeed come to judgment, and if he really voices the thoughts of the medical profession, one can only label the latter in Shakespeare's words, a purblind race of miserable men who raise a lifelong trouble for themselves by taking true for false and false for true. The description most accurately fits the case, yet pharmacists should thank the doctor for the unexpected compliment he pays them, since by implication he confesses that the counter-remedies they sell are every bit as good as the prescription of the medical man. If the makers and advertisers of nostrums know how to make use of Dr. Cox's commendation, it is one of the best free advertisements they ever had. Dr. Cox, however, convinces me more strongly if possible than ever that we pharmacists far too greatly exalt the professional status of the medical men. They do not appreciate or respect their professional responsibilities to anything like the extent we suppose. The Insurance Act shows us that fact in a glaring light, *ergo* the sooner we place the medical man, in our scheme of things, in the position he apparently craves for himself, and not the exalted one he ought to occupy, the better for all concerned. There are more Esaus among them than a cursory examination of the name-plates in Harley Street would lead one to suppose. It is useless to point out the danger to the medical profession of writing orders for physic and proprietaries instead of prescribing drugs; the medical body as a whole is too suspicious and reactionary. I would rather trust my own experience of the virtues of mist. sennæ co. than the advice of the whole medical profession; but cannot Dr. Cox understand that when I consult a doctor it is because I want guidance on a point outside my experience? Is it to his advantage, then, to widen my opportunities for experience by providing stock mixtures under the ægis of, and vouched for by, the British Medical Association? Yours truly,

Ludlow. W. J. Brown, Ph.C.

["The British Medical Journal" supplement of April 8 contains the following statement:

"We are requested by the Insurance Commissioners to state that the decision with regard to 'repeat prescriptions' reported in the Supplement to the 'Journal' of April 1 was given by them with reference to the circumstances of a particular case in which they were called upon to adjudicate, and is not a general decision of universal application to all areas. No question, in any event, arises for the Commissioners' decision under Article 11 of the amending Medical Benefit Regulations except where the Insurance and Panel Committees are in disagreement as to the 'exceptions and qualifications, if any,' to be recognised under the article; and any such question coming before the Commissioners for adjudication falls to be decided with particular reference to the circumstances of the area in which it has arisen."

Dr. M. S. Harford says in the same issue:

"Had the representatives of the Pharmaceutical Society held up their little fingers against the proposal no question of abolition would ever have arisen."

—Editor *C. & D.*]

## Subscribers' Symposium.

**For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.**

### *Still Waiting!*

*Jay Mack* tells us that his Insurance Committees owe him 250*l.*, of which 55*l.* is due for Sanatorium Benefit. He wonders if working on their political feelings would do any good. The Commissioners know, he says, but do nothing.

### *An Hour's Respite from Business.*

*Mr. Cornelius Bayley* (Uppingham) says the general closing for one hour at midday for dinner has proved an unqualified success in his town. Everyone praises the movement—masters, assistants, and the public. It has now been in working for about three months, and one constantly hears the remark expressed: "I would not go back to the old system on any account." Now, sharp at one o'clock, assistants, workmen, and principals get off for dinner. This punctuality lightens the domestic arrangements in every household affected, which is no small consideration, and when two o'clock strikes all the staff are back again to resume work, enabling better organisation and quicker despatch of business. This, with the shortened hours of the lighting-restrictions, is a great gain.

## Legal Queries.

**The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1916, beginning on page 341.**

*Fog* (186/72).—As your apprentice is not yet eighteen years of age he is outside the Military Service Act. Only those who were so on August 15, 1915, and who attested, are in Group 1, which is now called upon to report to the military authorities.

*G. A.* (186/6).—Your sarsaparilla-drink, being a fermented beverage, will be subject to the tax of 4*d.* per gallon, and each bottle of it will have to bear a duty-label, in accordance with the provisions fully explained in the *C. & D.* last week, pp. 43-44. You cannot do anything in the matter until the Commissioners of Excise have issued the conditions for labelling.

*Shev* (187/41).—You will find the full clause as to the taxing of aërating-machines in the *C. & D.*, April 8, p. 44. We assume the clause to mean that if a person keeps a machine for making aërated waters he must have a licence for the machine if the waters made are not sold in bottles which can be stamped. The five-guinea licence will be required by chemists and others who sell aërated beverages on draught made in a soda-fountain, but it will not apply to seltzogenes and the like used in households.

*D. D. C.* (184/35) asks what protection from eviction is afforded to a tenant by the Increase of Rent and Mortgage Interest (War Restrictions) Act, 1915? [The Act, which applies only to dwelling-houses the standard rent, or rateable value, of which does not exceed 35*l.* in London, 30*l.* in Scotland, and 26*l.* elsewhere, provides that no order for the recovery of premises or the ejectment of a tenant shall be made so long as the tenant continues to pay the proper rent and to perform the conditions of the tenancy. This protection does not, however, apply where the tenant has committed waste or caused annoyance to neighbours; where the landlord requires the premises for the occupation of himself or of an employé or tenant of his; or where some other satisfactory ground is shown to the Court.]

## Miscellaneous Inquiries.

*Thames Valley* (174/35).—Bleaching Sponges.—The best way of bleaching sponges is to give alternate baths of potassium permanganate and sulphurous acid, but if they are not very dark the following bath suffices:

| | |
|---|---|
| Potassium permanganate ... | 2 dr. |
| Hydrochloric acid ... ... | 2 oz. |
| Water ... ... ... ... | 2 gals. |

After immersion in the bleaching-bath the sponges are soaked in several changes of water and dried.

*A. S.* (170/4).—Bisulphite of Lime finds most use as a preservative of butchers' meat. It is a liquid, and is diluted with two or three volumes of water before being sponged or painted on the meat which is to be preserved. Bacon is often dipped in the solution before leaving the factory.

*Derma* (173/49).—Skin-disease.—You are evidently referring to dermatitis exfoliativa or pityriasis rubra, a skin-disease, characterised by intense redness and abundant desquamation. It develops after other skin-diseases, such as psoriasis, or the use of irritating applications, such as chrysarobin. The cause of the disease is not known—whether parasitic or due to changes in the nervous system. Weak tar or carbolic lotions are employed externally, and internally antimony is useful. A light nutritious diet and cod-liver oil are advisable, but alcohol must not be taken.

*T. P. O.* (39/91).—Books on Explosives.—A list was given in the *C. & D.*, August 14, 1915, p. 72, to which the following are supplementary: Marshall's "Explosives: Their Manufacture, Properties, Tests, and History" (28*s.*, Churchill); Ramsey and Weston's "Manual of Explosives" (1*s.*, Paul, Trench, Trubner & Co.).

*W. L. F.* (162/4).—We do not know the composition of the proprietary article to which you refer, but the Government analyst reported to the Select Committee on Patent Medicines (*C. & D.*, June 29, 1912, p. 57) that it contains 2 per cent. of B.P. nitric acid and is flavoured with peppermint; while the analysis of Mr. E. F. Harrison placed the proportion of nitric acid somewhat lower—*i.e.*, ℥iv. ac. nitric. dil. in the bottle of 7⅔ oz.

*I. L.* (187/15).—Solvents for Celluloid.—The solvents for celluloid other than acetone are ether, spirit, amyl acetate, and various alcohols such as amyl, butyl, or propyl alcohol. These are employed either separately or mixed. In using ether care should be taken to guard against fire.

*L. S. B.* (175/6).—The reference you give seems to be to an old edition of "Pharmaceutical Formulas," but it is extract of celery (*Apium graveolens*) which is employed in teething-syrups.

*Matchless* (271/17).—"Pharmaceutical Formulas" contains recipes for making custard and egg powders and similar preparations.

*R. & Co.* (173/21), *M. B. I.* (178/56).—We cannot undertake to identify the tablets you send.

*A. H.* (185/24).—Acetate of soda is used in the metal cylinders of incubators for maintaining heat. The cylinders, filled with the crystals, are heated in an oven, and as the melted salt returns to the solid state it gives out a large amount of heat.

*J. S. A.* (186/36).—Filling Ampoules was described in detail in the *C. & D.*, January 30, 1909, p. 109.

*J. W.* (176/60).—Manufacture of Gelatin Capsules.—The best description of this art is that given in the "Art of Dispensing," which originally appeared in the *C. & D.*, January 27, 1900, p. 131.

*F. C. H.* (174/52).—Tragacanth is only sparingly soluble in water, but on soaking in water it forms a gelatinous mass, which can be diffused to make a mucilage. Spirit and glycerin are used to facilitate the operation and act as preservatives. A mucilage or paste made from tragacanth and water will need some preservative if it is intended to keep it for long.

*H. E. Y.* (176/40).—Recovering Silver from "Hypo." Baths.—Potassium sulphide (liver of sulphur) is added to the solution in excess, the precipitated silver sulphide is allowed to settle, collected, and reduced to the metallic state under the blowpipe or in a crucible.

*J. L.* (175/23).—Lime-wash can be readily coloured with brown umber, yellow ochre, rose-pink, Venetian red, and other natural colours.

*Nomen* (175/37).—Casein Food.—The sanatogen patent, 1,541 of 1898, "Albumen Preparations soluble in water from glycerophosphates and albuminoids," expired in 1911. One of the methods given in the specification is as follows:

> I. The . . . milk casein is mixed with water, containing alcohol or with other indifferent liquids, and the quantity of sodium glycerophosphate necessary for making it soluble is added by degrees while the mixture is stirred. The whole is then gently heated and the water removed, advantageously by washing with strong alcohol, after which the product is dried to eliminate the alcohol.

Another method consists in adding caustic alkali to the casein, suspended in alcohol, and then adding free glycerophosphoric acid, then washing and drying the product. Casein foods of the sanatogen class contain about 5 per cent. of sodium glycerophosphate, with or without calcium glycerophosphate.

## Retrospect of Fifty Years Ago.

**Reprinted from "The Chemist and Druggist," April 14, 1866.**

### False Phenol.

Mr. W. Crookes, F.R.S., has made the following communication to "The Times": "The Cattle Plague Commission have recommended carbolic acid as a disinfectant, and it is now extensively used as such. A spurious article composed of oil of tar, utterly valueless as a disinfectant, is now being imposed on the public. The iniquity of this fraud claims exposure, and I beg through your assistance to direct public attention to the fraud, as well as to the means by which it may be detected. Commercial carbolic acid is soluble in from 25 to 70 parts of water, or in twice its bulk of a solution of caustic soda, while oil of tar is nearly insoluble. To apply these tests: (1) Put a teaspoonful of the carbolic acid in a bottle; pour on it half-a-pint of warm water; shake the bottle at intervals for half an hour, when the amount of oily residue will show the impurity. (2) Dissolve one part of caustic soda in ten parts of warm water, and shake it up with five parts of the carbolic acid. As before, the residue will indicate the amount of impurity."

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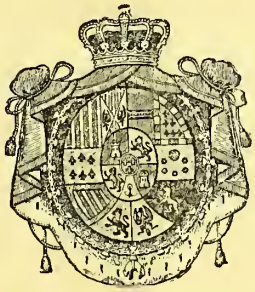

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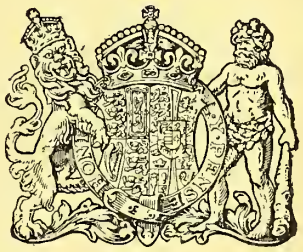

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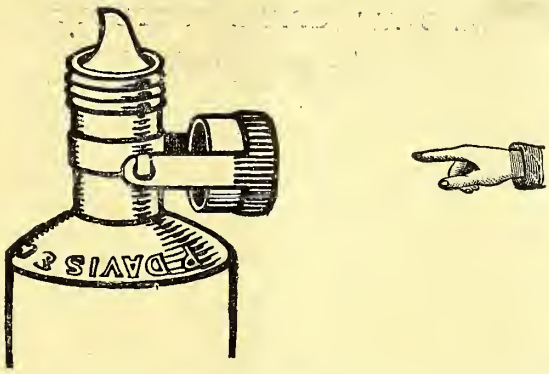


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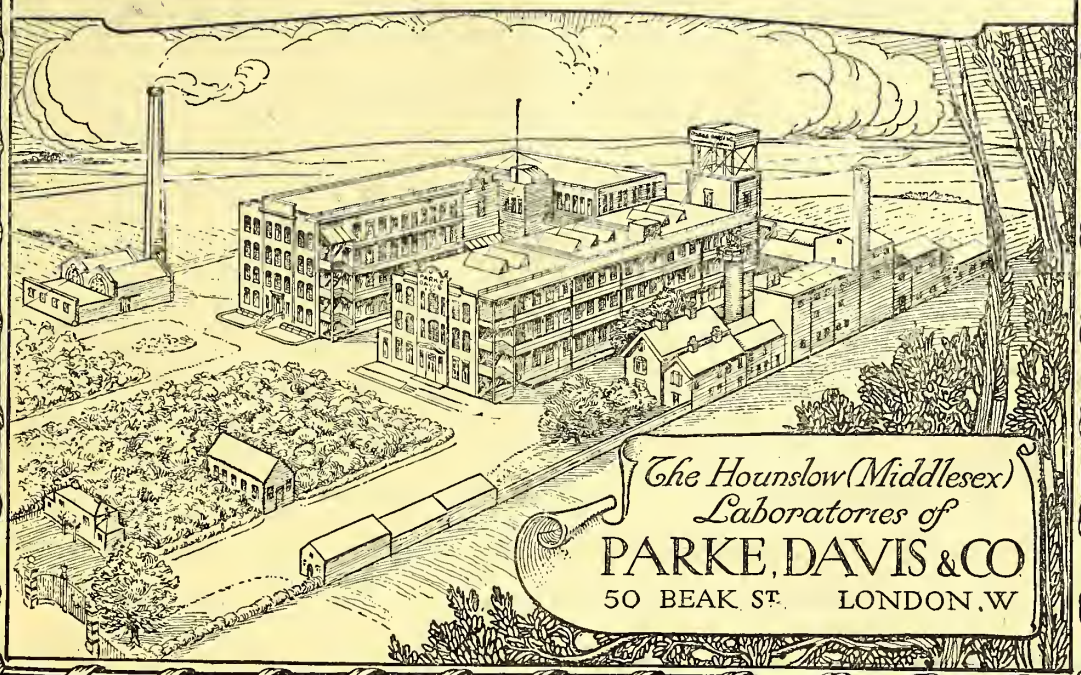

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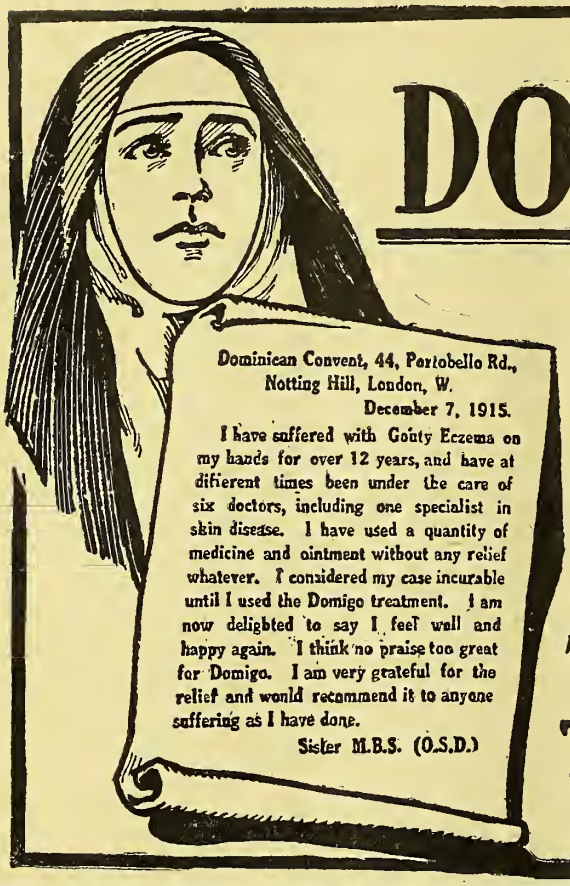

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Paraffinum Durum, B.P., 2 cwt. @ 5½d. lb.; 1 cwt. @ 6¼d. lb.; 56 lbs. @ 6¾d. lb.; 7 lbs. @ 7d. lb.; Molle Flav., B.P., 3½ cwt. @ 34/6 cwt.; 1 cwt. @ 42/- cwt.; 28 lbs. @ 5½d. lb.; 7 lbs. @ 6d. lb.; Alb. B.P., 3½ cwt. @ 74/- cwt.; 28 lbs. @ 9½d. lb.
Paraldehyde, B.P., 1 lb. @ 17/- lb.
Pepsin, B.P., 1 lb. @ 12/- lb.
Phenacetin, P.B., pulv., 1 lb. @ 72/6 lb.
Phenazone, P.B., 1 lb. @ 80/- lb.
Phenolphthalein, 1 lb. @ 62/- lb.
Pix. Burgund., Druggists', 1½ cwt. @ 38/- cwt.; 7 lbs. @ 6d. lb.
Plumbi Acetas, Druggists', 1 cwt. @ 95/- cwt.; 7 lbs. @ 1/- lb.; Powder, 1½d. lb. extra.
Podophyll. Resina, P.B., 1 lb. @ 15/6 lb.
Potassæ Causticæ Sticks, P.B., 1-lb. Bots. @ 8/- lb.
Potas. Acetas. Gran. P.B., 28 lbs. @ 4/3 lb.; 7 lbs. @ 4/6 lb.
Potas. Bicarb. Pulv., 4 lbs. @ 2/4 lb.
Potass. Brom. P.B., 7 lbs. @ 25/6 lb.
Potass. Chlor. Pulv., 7 lbs. @ 2/6 lb.
Potass. Cit. B.P., 7 lbs. @ 5/6 lb.
Potass. Cyanidum, 98%, 7 lbs. @ 3/8 lb.
Potass. Iod., P.B., 14 lbs. @ 15/3 lb.; 3 lbs. @ 16/- lb.
Potass. Metabisulph., 7 lbs. @ 2/3 lb.
Potass. Permang., Cryst., 2 lbs. @ 8/9 lb.
Potass. Prussias Flav., 7 lbs. @ 4/6 lb.
Pulv. Cretæ Arom. P.B., 14 lbs. @ 8d. lb.; c. Opio, B.P., 7 lbs. @ 2/6 lb.
Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 74/- cwt.
Pulv. Ipecac. Comp. P.B., 1 lb. @ 7/6 lb.
" Jalap Comp. P.B., 1 lb. @ 2/1 lb.
" Rhei Comp. P.B., 1 lb. @ 1/6 lb.

Quassia Chips, 1 cwt. @ 34/- cwt.; 28 lbs. @ 4½d. lb.
Quinine Bisulph., 10 oz. @ 4/3 oz.
Quinine Ethyl Carb. (Tasteless), 10 oz. @ oz.
Quinine Hydrobromas, B.P., 25 oz. @ oz.; 10 oz. @ oz.
Quinine Hydrochlos., B.P., 25 ozs. @ 5/- oz.; 10 ozs. @ 5/2 oz.
Quinine Sulph., B.P., 100 oz. @ 3/8 oz.; 25 oz. @ 3/9 oz.; 10 oz. @ 4/- oz.

Rad. Gentian, English Ground, 1 cwt. @ 85/- cwt.; 7 lbs. @ 10d. lb.
Rad. Glycyrrh. English Ground, 1 cwt. @ 72/6 cwt.; 7 lbs. @ 9d. lb.
Rad. Ipecac. Rio., 1 lb. @ 25/-.
Rad. Jalap, English Ground, 28 lbs. @ 1/6½ lb.; 7 lbs. @ 1/8 lb.
Rad. Rhei., E.I., English Ground, 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9 lb.
Rad. Rhei., E.I. Trimmed, 7 lbs. @ 5/3 lb.; 1 lb. @ 5/9 lb.
Resorcin, B.P., 1 lb. @ 82/- lb.

Saccharine, 7 lbs. @ lb.; .550 or .500 1 lb. @ lb.
Sacchar. Ust., 1 cwt. @ 52/- cwt.; 10 lbs. @ 7d. lb.
Saffron Valentia, B.P., 7 lbs. @ 41/- lb.; 1 lb. @ 42/6 lb.; 1 oz. @ 2/11 oz.
Sal. Acetos., 7 lbs. @ 2/- lb.
Salicinum, B.P., 1 lb. @ 22/6 lb.
Salol, B.P., 1 lb. @ 51/- lb.
Sang. Draconis, pulv., English Ground, 7 lbs. @ 2/10 lb.
Santoninum, P.B., 16 oz. @ 165/- lb.
Sapo Cast. Alb., 2 cwt. @ cwt.; 7 lbs. @ 7½d.; pulv., 1 cwt. @ 105/- cwt.; 56 lbs. @ 108/- cwt.; 7 lbs. @ 1/1 lb.; Animal pulv., 1 cwt. @ 76/- cwt.; 56 lbs. @ 78/- cwt.; 7 lbs. @ 10d. lb.
Scammony Resin, Pulv., B.P., 7 lbs. @ 5/2 lb.; 1 lb. @ 5/9 lb.
Shellac (Orange), 1½ cwt. @ 97/6 cwt.; 7 lbs. @ 1/- lb.
Soda Caustica, 6 1-lb. bots. @ 3/9 lb.
Soda Cit., B.P., 3 lbs. @ 4/5 lb.
Soda Sulphite, Recryst., 1 cwt. @ 25/6 cwt.; 7 lbs. @ 4d. lb.
Soda Sulphocarbolas, B.P., 7 lbs. @ 3/8 lb.; 1 lb. @ 3/11 lb.
Sodii Bromid., P.B., 7 lbs. @ 21/- lb.
Soda Hyposulphite, pea cryst., 1 cwt. @ 22/- cwt.
Sodii Salicyl. Pulv., 2 lbs. @ 22/6 lb.
*Spt. Æther Nit., P.B., 4½ lbs. @ 4/5 lb.; 1 lb. @ 4/10 lb.
* " Ammon. Aromat., P.B., 5 lbs. @ 3/9 lb.
* " Chloroform, P.B., 5 lbs. @ 4/3 lb.
Strontiæ Bromid., 1 lb. @ 22/- lb.
Strychnina Cryst. B.P., 4 oz. @ 3/4 oz.; Hydroch. and Sulphate, 2d. oz. less.
Sugar of Milk, P.B., 1 cwt. @ 105/- cwt.; 7 lbs. @ 1/- lb.
Sulphonal, P.B., 1 lb. @ 48/- lb.
*Syr. Aurant. P.B., 7 lbs. @ 1/- lb.
* " Easton, B.P., 7 lbs. @ 1/3½ lb.
* " Ferri Iodid. P.B., 7 lbs. @ 1/7½ lb.
* " Ferri Phosph. Co., 7 lbs. @ 8d. lb.
* " Hypophosph. Co., B.P.C., 7 lbs. @ 1/1½ lb.
* " Pruni Virg. B.P., 8 lbs. @ 10d. lb.
* " Rhamni, 7 lbs. @ 1/1 lb.
* " Rhei, P.B., 7 lbs. @ 11d. lb.
* " Scillæ, P.B., 7 lbs. @ 7½d. lb.
* " Sennæ, P.B., 7 lbs. @ 1/- lb.
" Simplex, 7 lbs. @ 6½d. lb.
* " Tolut, P.B., 7 lbs. @ 10½d. lb.

Thymol, 1 lb. @ 48/-.
Tinct. Aurantii Recens., B.P., 5 lbs. @ 4/4 lb. Aquos, 11d. lb.
*Tinct. Belladon. B.P., 5 lbs. @ 4/11 lb. Aquos, 1/10 lb.
*Tinct. Benzoin Comp., P.B., 5 lbs. @ 4/6 lb.
*Tinct. Camph. Comp., P.B., 5 lbs. @ 3/1 lb. Aquos, 1/3 lb.
*Tinct. Cantharidis, P.B., 5 lbs. @ 4/10 lb.
*Tinct. Capsici, B.P., 5 lbs. @ 3/3 lb. Aquos, 11d. lb.
*Tinct. Card. Comp., P.B., 5 lbs. @ 2/8 lb. Aquos, 1/1 lb.
*Tinct. Catechu, P.B., 5 lbs. @ 3/- lb. Aquos, 1/1 lb.
*Tinct. Chlorof. c. Morph., P.B. 1885, 5 lbs. @ 2/6 lb.
*Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/8 lb.; bond, 1/0½ lb. Aquos, 1/3 lb.
*Tinct. Cinchon. Rub., P.B. 5 lbs. @ 3/7 lb. Aquos, 1/3 lb.
*Tinct. Digitalis, B.P., 5 lbs. @ 4/- lb. Aquos, 1/1 lb.
*Tinct. Gelsem., P.B., 5 lbs. @ 3/5 lb. Aquos, 1/4 lb.
*Tinct. Gentianæ Comp., B.P., 5 lbs. @ 2/5½ lb. Aquos, 1/1 lb.
*Tinct. Hyoscyam., B.P., 5 lbs. @ 4/5 lb. Aquos, 1/10 lb.
*Tinct. Iodi., B.P., 5 lbs. @ 5/6 lb.; Fort. @ 7/- lb.; decolor., 5 lbs. @ 5/7 lb.
*Tinct. Lavandulæ Comp., B.P., 5 lbs. @ 4/9 lb. Aquos, 1/1 lb.
*Tinct. Myrrhæ, B.P., 5 lbs. @ 4/7 lb.
*Tinct. Nucis Vom., B.P., 5 lbs. @ 3/8 lb. Aquos, 1/4 lb.
*Tinct. Opii, B.P., 5 lbs. @ 6/- lb.
*Tinct. Opii Aquos, 5 lbs. @ 4/1 lb.
*Tinct. Quininæ Amm., B.P., 5 lbs. @ 3/10 lb.
*Tinct. Rhei Co., B.P., 5lbs. @ 2/5½lb. Aquos, 1/1 lb.
*Tinct. Scillæ, B.P., 5 lbs. @ 2/11 lb. Aquos, 11d. lb.
*Tinct. Senegæ, P.B., 5 lbs. @ 3/8 lb. Aquos, 1/6½ lb.
*Tinct. Strophanth., P.B., 5 lbs. @ 4/5 lb.
*Tinct. Valerianæ, 5 lbs. @ 3/5 lb. Aquos, 1/2 lb.
*Tinct. Valerianæ Ammon., P.B., 5 lbs. @ 3/9 lb. Aquos, 1/4 lb.
*Tinct. Zingib., P.B., 5 lbs. @ 4/10 lb.
*Tinct. Zingib. Fortior., 5 lbs. @ 5/1 lb.
Treacle (Black), 24 lbs. @ lb.
Turpentine (Best American), 1 gal. tins @ 5/9 each; Venice, Genuine, 9 lbs. @ 2/6 lb.

Ung. Acid. Boric, P.B., 28 lbs. @ 8½d. lb.; Flav., 28 lbs. @ 6½d. lb.
" Acid. Carbol., B.P., 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/2 lb.; 1 lb. @ 1/6 lb.
" Gallæ, P.B., 7 lbs. @ 1/2 lb.; 1 lb. @ 1/4 lb.; c. Opio, 7 lbs. @ 3/10 lb.
" Hydrargyri, B.P., 28 lbs. @ 2/9 lb.; 7 lbs. @ 2/11 lb.
" Hydrarg. Ammon., B.P., 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/7 lb.
" Hyd. Nit. Dil., 7 lbs. @ 1/6 lb.
" Paraff. Alb., P.B., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.; Flav. 28 lbs. @ 6½d. lb.; 7 lbs. @ 8d. lb.
" Resinæ, P.B., 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/2 lb.
" Sulphuris, B.P., 28 lbs. @ 11½d. lb.; 7 lbs. @ 1/0½ lb.
" Zinci Oxid. Benz., B.P., 28 lbs. @ 11½d. lb.

Wax, Japan, 2 cwt. @ 82/6 cwt.; 7 lbs. @ 10d. lb.

Zinci Oleat. Powder, B.P.C., 7 lbs. @ 2/10 lb.
Zinci Oxid., 1 cwt. @ 95/- cwt.; 28 lbs. @ 11d. lb.; 7 lbs. @ 1/- lb.
" Sulph., pure, 1 cwt. @ 50/- cwt.; 28 lbs. @ 6½d. lb.
" Sulphocarbolas, B.P., 7 lbs. @ 3/8 lb.; 1 lb. @ 3/11 lb.

*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.
NOTE.—Only terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers. Goods carriage forward; all packages free; Export cases extra.

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**Offices: 34 LEADENHALL STREET.**

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**EMETINE** HYDROCHLORIDE HYDROBROMIDE

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**MAGNESIA**

CARBONATE, CALCINED AND FLUID.

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Acetic, Oxalic, Tartaric and Acetyl Sal. Acids. Quinine; Epsom and Glauber Salts; Formaldehyde; Carbonate, Prussiate and Chlorate Potash; Soda Hypo., Soda Carb. (pea xtals), Arsenic, Bleach, Keiselguhr, Sulphur, and all Drugs, Pharmaceutical Products, &c.

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Salicylates, Phenacetin, Phenazone, Salol Acid and Soda Benzoate, Quinine Salts, Lithium Carbonate, Magn. Sulphate, Soda Hypo., Camphor Monobrom., Hexamine, Soda Bichromate, Barium Binoxide, &c.

FOR PROMPT OR EARLY DELIVERY.

# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, APRIL 15, 1916.


**TO ADVERTISERS IN THIS SUPPLEMENT.**

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. **Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London."** (Three words counted as two.)

# EASTER HOLIDAYS

NEXT week THE CHEMIST AND DRUGGIST SUPPLEMENT will be put to Press a day earlier than usual. Therefore any advertisements intended for the SUPPLEMENT of April 22 should reach this Office not later than

**2 p.m. on Wednesday, April 19**

***ADVERTISEMENTS RECEIVED LATER WILL BE INSERTED IN OUR ISSUE OF APRIL 29***


# CHEMISTS' TRANSFERS.

## Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

**Telephone Number: City 2283.**

**May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.**

1.—HERTS, Borders of (Main Thoroughfare).—Ready-money Business; returning under Assistant £1,400 to £1,500, at good prices; about the value of stock and fixtures required; part payment considered; good opening for an up-to-date man.

2.—HYDE PARK (Near).—Good-class Retail and Dispensing Business; returns £2,000 yearly; *gross profit* 50 *per cent.*; roomy premises, comprising shop and 11-roomed house; terms, goodwill and lease £250, stock and fixtures at valuation.

3.—HIGHGATE (Near).—Price £650, or valuation of stock and fixtures and small premium for lease and goodwill; a good but neglected Business, returning, under Assistant, between £1,000 and £1,100; *gross profit* £437; books audited by accountant and stock valued annually.

4.—MAIDA VALE (Near).—Light Retail and Dispensing, with Optics; returns at the rate of £1,000; no active opposition; price £450, for which good value is offered.

5.—WESTERN COUNTY.—Old-established Business for immediate Disposal through ill-health of vendor; returns between £1,300 and £1,350; *gross profit* £500; substantially fitted and well stocked; good house and garden; no reasonable offer refused.

6.—UPPER THAMES (Good-class District).—Retail and Dispensing Business; returning under management £650 (about), *with clear income of* £200; double-fronted shop, with good residence attached; price £450.

7.—KENT.—Unopposed Business, situate in charming locality; returns £900, at fair prices; good residence, with private entrance; price £500.

8.—SURREY.—Good-class Family and Dispensing Business; present hands 21 years; returns average £1,000 yearly; attractive shop and comfortable residence, with small garden; rent £52; price about £700; worth attention.

9.—GREAT CENTRAL MAIN LINE.—Good-class Retail, with Wine and Spirit Licence; returns about £2,000; position unique; immediate sale necessary through ill-health; first reasonable offer will be accepted; must be sold.

10.—MANCHESTER (Within Easy Distance of).—Cash Retail Business, with Optical connection; returns between £1,350 and £1,400; *net profit about* £600; terms, valuation of stock and fixtures and premium for goodwill to be arranged equitably.

11.—SOUTH OF ENGLAND (Health Resort).—High-class Dispensing Business, situate in the main street; returns £2,500; terms, valuation of stock and fixtures.

12.—BRIGHTON.—Cash Retail and own Proprietaries; position is good, and returns can be much increased under qualified management; present rate £900; price £620, or offer.

13.—MIDDLESEX (Within Easy Distance of West End).—A thoroughly sound Retail and Dispensing Business; no serious opposition; returns £1,500, at good prices; modern-fitted shop, fully stocked; terms, valuation and sum for goodwill to be agreed.

14.—SUSSEX (In the Heart of the Country).—Good-class Retail and Dispensing Business; returns show a steady increase, now £826, *with net profit* £300 (proof given); rent £50 on lease; comfortable residence, with private entrance, small garden; full investigation invited.

# VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.**

# BRETT & CO.

*Licensed Valuers,*

**73 LAUREL ROAD, LEICESTER.**

Telegrams, "Brett Leicester." Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS

NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

## STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£4,500 returns.—NORTHERN CITY.—Old-established Wholesale and Retail; the Wholesale is of good class and the Retail is an old family connection with well-established own Specialities; the net profit last year was £734; buyers with from £1,500 to £2,000 at command can have particulars upon supplying references; vendor would not object to allowing £500 to remain for a time.

£2,000 returns.—SOUTH.—Light Retail and Dispensing; no N.H.I.; the shop is spacious and well fitted, and convenient residence attached at reasonable rent; net profit £520; price, £200 goodwill and stock and fixtures at valuation, in all about £1,600.

£500 returns.—MANCHESTER (Near).—Middle-class Retail, with excellent opening for Optics; rent £28; stock and fixtures at valuation, about £250.

£1,000 returns.—LONDON.—Light Family Retail and Dispensing, increasing; ample scope for introducing Optics or Dentistry; price £400.

**Valuations conducted upon the shortest notice at moderate fees.**

# PARSON C. BAKER

**1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.**

*Recommended by—* BRITISH DRUG HOUSES, LTD. MEGGESON & CO., LTD. BARCLAY & SON, LTD.

Tel. No. Finchley 812.

*All correspondence should be addressed as above.*

**And at 174 VICTORIA ST., S.W., Ph.C.** Tel. No. Victoria 94.

**Valuer to Association of Manufacturing Chemists.**

Being a Pharmaceutical Chemist with 50 years' experience of every class of Chemists' Businesses, Wholesale and Retail, town and country, Dispensing and Cash Retail, and for 40 years actively engaged in the valuation and transfer of Chemists' Businesses, invites correspondence. Vendors sending particulars of their Business do not incur any monetary liability whatever unless the business is actually sold on his introduction.

There is no charge whatever to purchasers. Every valuation is personally conducted in every detail.

Register kept of purchasers requiring Businesses and also of Businesses for Sale. No charge is made for insertion therein.

Valuations for Sale, Probate, or Account. Examinations for purchases, estimations for vendors, etc., all receive personal attention, and all charges are moderate.

Correspondents are advised to state the class of business they desire and the approximate amount of capital they desire to invest.

# THOS. TOMLINSON & SON

**CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,**

45a MARKET STREET, MANCHESTER.

Established over Half a Century.

Telegraphic Address: "Tomtom."

**We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.**

# BERDOE & FISH

## VALUERS & TRANSFER AGENTS,

***35 Jewry Street, Fenchurch Street, City.***

Telephone: 1809 Central.

## NO CHARGE TO PURCHASERS.

1.—EASTERN COUNTY.—Good-class Cash Retail, with Wines and Spirits, in very best position; returns approach £4,000; plenty of scope for further extension; very heavily stocked; illness sole cause of selling; price about £2,000.

2.—CHESHIRE (Border of).—Light Retail, Dispensing, and Agricultural Business in small town; returns £1,200; net profit £300; modern-fitted shop, fully stocked; price £650, or offer.

3.—SOUTHERN COUNTY (Fashionable Town).—First-class Retail and Dispensing Business; returns £1,200; profits half; plenty of scope; fine position; price £700, or £100 and valuation; personally inspected and recommended.

4.—MIDLANDS (Death Vacancy).—Good-class Retail and Agricultural, in market town; easy hours; returns £900; net profit £300; low rent; price £425, or near offer.

5.—SHROPSHIRE (Market Town).—Sound Country Retail, Agricultural, and own Specialities; returns £500; plenty of scope; large house and garden; handsome Pharmacy; good stock; price £400, or valuation.

6.—SUSSEX (Death Vacancy).—Unopposed Business in large village; returns £250; half profit; can easily be doubled; no side-lines; modern house, large garden; rent £26; price £200, or near offer.

7.—LONDON, W.—Old-established Light Family Retail; now under Assistant; returns last year £1,400; net profit over £300; corner shop; good position; price £400.

8.—LONDON, S.E.—Middle-class Suburban trade; no Panel; returns £900, increasing; net profit £250; no opposition; well fitted and stocked; price £400.

9.—LONDON, N.W.—Good middle-class Retail; returns over £500; net profit £200; very low rent; no immediate opposition; military duties sole cause of sale; price £155, or valuation.

## STOCKTAKING v. INCOME TAX.

Every chemist should make a point of reading page 135 in *C. & D. Diary*, which deals with the above matter, and then write for our special pamphlet and low terms.

*Forty-five years' practical experience.*

# BUSINESSES FOR DISPOSAL.

**3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.**

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

BRADFORD.—Old-established Light Retail Drug Business for Disposal at once; main thoroughfare, near Town Hall; reason, age; good opening for Panel. Particulars from "S. H.," 113 Bridge Street, Bradford.

GLOUCESTER.—For immediate Disposal, owing to illness and advanced age, old-established Business; returns over £1,300; well-fitted corner shop; good house and garden; stock and fixtures over £1,000; price £700. Full particulars, 15/19, Office of this Paper.

LANCS.—Bracing hilly district; main road in large prosperous manufacturing town; healthy Business offered for cash, turnover about £1,000; handsomely fitted shop and good stock; restricted Wine Licence; books kept; expenses low; to prospective purchaser, every facility for investigation afforded. 12/11, Office of this Paper.

MIDLANDS.—For immediate Disposal, old-established Retail, Dispensing, and Agricultural Business in country town; death vacancy; opening for Photography; good house and garden; returns £750; good profits; price £350, or offer. Full particulars, apply to 12/15, Office of this Paper.

SURREY (London Suburb).—Pharmacy for immediate Disposal; takings £800; nice house; long lease; rent £33, rates £8; growing district, population 2,000; nearest opposition two miles; fine opportunity occasioned by the war; fine scope for Dentistry, Optics, N.H.I., and Photography; price £150 or offer. Apply, "Surrey" (6/16), Office of this Paper.

POTTERIES District.—Cash Retail Business and Dentistry; growing district; village, 3,000 inhabitants; nearest qualified Chemist three miles; doing £350 under unqualified management; very few Patents; no goodwill, stock, or fixtures need be taken to; splendid opening for Seeds; good house; low rent. 9/30, Office of this Paper.

SURREY.—Pharmacy for immediate Disposal; takings £800; nice house; long lease; low rent and rates; fine opportunity occasioned by the war; no reasonable offer refused; no opposition; fine scope for Dentistry, Optics, N.H.I., and Photography; price £75 for goodwill and fittings, and stock at valuation. "Surrey" (13/12), Office of this Paper.

YORKSHIRE (West Riding).—A good-class Business for Sale in residential town; returns about £1,100; Dispensing, own Proprietaries, and Photographic; not much N.H.I. Dispensing and no heavy trade; satisfactory reasons for disposal. Apply, 12/18, Office of this Paper.

AN Exceptional Opportunity.—Owner, retiring, will sell on favourable terms genuine Light Retail, Prescribing, and Dispensing; established over 100 years; unopposed; nearest town 7 miles; no heavy trade or side-lines; returns £800, increasing steadily; profits above average; good opening for Dentistry, Optics, and Photography; Panel averages 150 month; good house and garden, on lease; well-stocked; modern window. Full particulars, apply, "Hampshire" (13/35), Office of this Paper. No Agents.

BUSINESS, established 14 years, for immediate Disposal; proprietor called up for Active Service; situated main thoroughfare, in North-West London; good Dispensing and Prescribing, 1,500 scripts last year, including N.H.I.; £500 yearly turnover; £200 net profit; low rental; good living accommodation if desired; opening for Dentist, Photographer, or Oculist; price £155 cash. "Bargain" (12/31), Office of this Paper.

CHEMIST'S Business for immediate Sale through death; going concern; established 50 years; ingoing about £500; Dental Department in addition if desired. Further particulars on application to Executors of Ralph Shorrock, 6 Market Street, Darwen, or to Messrs. Hindle, Son & Cooper, Solicitors, Darwen.

COMPACT Drug Stores for Disposal, under lady management; husband at the Front; 5 rooms, store room, and scullery; good size garden; stables at rear, let off; rent £40 and rates; price £100 or near offer. Digmans, 153 Eardley Road, Streatham, S.W.

DEATH Vacancy; in consequence of the death of the owner, in whose family this Business has been nearly a century; to wind up the estate no reasonable offer will be refused; quiet Midland town; returns £750; value of stock and fixtures about £350; good house, large garden. "Exors" (189/31), Office of this Paper.

OLD-ESTABLISHED, good-class Family and Retail Business in attractive Midland city; Post Office attached, which more than pays rent; bona-fide applicants with £500 capital only considered. Apply, "Executors" (7/29), Office of this Paper.

OWING to death, immediate Disposal Light Cash Retail; West London; established 12 years; same proprietor; returns £12-£15 weekly; very profitable; N.H.I., over 7,000 to date; thoroughly genuine; books properly kept; every investigation; splendid opportunity; present proprietor joining up in 8 weeks; first reasonable offer accepted. Apply, "Executor" (13/11), Office of this Paper.

REASONABLE offer wanted immediately for London Suburban Business; proprietor joining Colours after Easter; valuation terms arranged if desired; personal investigation more practical than particulars given by letter; advertiser ready for interview any time, day or night, on application to "Tampus" (190/67), Office of this Paper.

SEASIDE.—Business in main thoroughfare of rising and popular resort; good prices obtained; scope for development; double-fronted shop, newly fitted; exceptional reasons for disposing; books will bear every investigation; capital required, about £300 for stock and fittings; no goodwill; no old stock. Apply, "Statim," 149 Balby Road, Doncaster.

SPLENDID Opportunity.—Neglected country Retail; capable of large immediate increase; opening for Dentistry; handsome shop, nicely fitted and stocked; house and garden; price for immediate disposal £200, or offer; bargain; also unopposed Village business; returns about £900, at good prices; good shop, house, and garden; rent £25; price £425. 13/18, Office of this Paper.

WORKING-CLASS Business; established 1868; returns over £1,600; in two hands only, both retired; no side-lines; personal attention would much increase; heavy stock; purchaser can have 14 days at counter; easy terms entertained with suitable man. 10/35, Office of this Paper.

# PREMISES TO LET.

PROMINENT Corner shop, until recently occupied by Panel Doctor; excellent opening for Chemist or Druggist; rent £42 per annum, or would sell lease, having about 49 years to run. Apply, Marshall, Chalk & Co., 329 New Cross Road.

# AGENCIES.

AGENCIES Wanted.—A firm of General Importers, Indentors, and Manufacturing Agents have opening for Agencies of all kinds; splendid situation Melbourne business centre; fine, naturally lighted showrooms and large windows; reference, Commonwealth Bank of Australia. E. Duncan & Co., Strand Buildings, 152 Elizabeth Street, Melbourne.

# BUSINESSES WANTED.

MAIL-ORDER Business wanted; Toilet or Medical preferred; must have genuine connection; no objection to small business which could be extended by advertising; all particulars treated in strict confidence. 9/22, Office of this Paper.

WANTED, in Lancashire or Cheshire (Liverpool district preferred), a Light Retail and Dispensing Business, showing net profit about £200 yearly; must have good living accommodation on premises; fair price paid for genuine concern that will bear investigation. Fullest particulars and lowest price to "Salol" (11/23), Office of this Paper.

# PARTNERSHIPS.

IRISH business man, removing shortly to London, invites correspondence with enterprising London or suburban Chemist with view to establishing Mail-order business for Medical and Toilet Preparations; moderate capital; would not interfere with present business. Address, in confidence, "Enterprise" (6/21), Office of this Paper.

LINCOLNSHIRE.—Partner (qualified) wanted immediately for an old-established Agricultural and General Chemist's and Stationery business in a market town in Lincolnshire; capable of much expansion; details to bona-fide applicants. J. Roberts, 2 Arboretum View, Lincoln.

PARTNER wanted for a high-class Dispensing business in Scotland; lady or gentleman with experience; £600 to £700 half-share. Apply, 14/39, Office of this Paper.

# FOR SALE.

ONE hand Tube-filling Machine, with three nozzles, for various size tubes; in perfect condition. Black Bull Works, Caledonian Market, N.

OVERSTOCKED.—5 1-lb. bottles Caustic Potash Sticks, B.P., 10*s.* lb.; 1 Winc. Tinc. Strophanthus, B.P. 1914, 4*s.* lb.; ½ lb. Balsam Peru, 20*s.* lb.: 4 oz. Salol, 3*s.* 9*d.* oz.; 56 lb. Tartaric Acid, powder, B.P., 3*s.* 4*d.* lb.; 12 oz. Stront. Brom. Exsic., 21*s.* lb. J. Howell, 125 King Street, Oldham.

TOOTH-BRUSH Case, mahogany, three plate-glass shelves; also two 4 ft. 6 in. plate-glass mahogany Counter Cases; £1 each. Maurice Smith, Kidderminster.

UP-TO-DATE Cash Till for Sale, National make; prints receipts; good condition; low price. Write, Robson, 73 Hawthorne Road, Upper Edmonton, N.

WHAT Offers?—Tabloids.—25 Veronal, gr. 5; 100 Salol, gr. 5; 100 Thymus Gland, gr. 5; 100 Thymus Gland, gr. 1½; 100 Trional, gr. 5; 100 Aspirin, gr. 5; 100 Sod. Salicyl., gr. 5; 2 100 Tablets Guaiacol Carb., gr. 5; 2 25 Pepule Pepsin; 1 25 Pepule Zymine Co.; 3 Enule Meat; 1 lb. Caustic-potash Stick, unopened; ½ lb. Calomel; 2 oz. Butyl-chloral Hyd.; 4 oz. Sulphonal; 1½ oz. Phenazone; 1 oz. Saffron Valentia; 2 oz. Resorcin; 1¾ oz. Liq. Atropia Sulph.; 1½ dr. Codein. Phosph.; 1½ dr. Cocain. Hyd. Condon, Druggist, Hospital, Knocklong, Co. Limerick.

WHAT offers? 1 100 Phenacetin Tabs., gr. 5 (Burroughs); 24 25 Phenacetin Tabs., gr. 5 (Burroughs); 6 25 Salicin, gr. 5; 2 oz. Theocin Sod. Acet.; 2 oz. Bismuthose; 3 oz. Butyl-chloral Hyd.; 1 oz. each Nesotan, Adalin, Helmitol, Glutol, Medinal, Tanningen, Glycosal, Bismuthose, Thiogenol, Veronal, Dermitol; 40 gr. Atropia Alk.; 20 gr. Atropia Sulph. 9/37, Office of this Paper.

WHAT offers? 4 lb. Paraldehyde; 8 oz. Resorcin; 7 lb. Indigo Blue; 7 lb. Potass. Permang.; 1 lb. Ext. Belladonnæ; Winch. Lin. Belladonnæ Meth.; 6 oz. Argenti Nit. Xtals.; 1 lb. Hydrarg. Iodid. Rubr., Vermillion, Liniment. Aconiti Meth. "Nemo" (13/28), Office of this Paper.

1 CWT. Bism. Carb., at 14*s.*; 7 lb. Bism. Carb., at 14*s.* 6*d.*; 7 lb. Pot. Brom., at 24*s.* 6*d.*; 7 lb. Bism. Subnit., at 13*s.* 6*d.* 14/34, Office of this Paper.

62 N.M., 53 W.M. Shop-rounds, assorted sizes; 7 Oil Bottles with caps; 5 Jars (with lids), 4 lb.; reasonable offer will be accepted. Chemist, 69 Reginald Terrace, Leeds.

# SITUATIONS OPEN.

**3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.**

**The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

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## RETAIL.

ALTRINCHAM.—Assistant wanted at once, for Dispensing and Counter, male or female; must be quick and accurate. State usual particulars and salary required (outdoors) to R. H. Tootill, Pharmaceutical Chemist.

BATH.—Qualified Assistant required for good-class Dispensing business; one ineligible for Army, or gentleman over 45. Apply, with full particulars, Pryke, Chemist, Bath.

BOLTON.—Immediately, Assistant, capable taking charge occasionally, for Light Retail and Dispensing; will wait one month for pushing Salesman, Window-dresser; ineligible for military service; good prospects; short hours; state, first letter, age, height, and salary; photo if possible; all replies answered; undeniable references; two others kept. Massey, Chemist, Bolton.

BOOTLE.—Assistant wanted; indoors; in good-class Dispensing business; no N.H.I. work; comfortable situation with good experience; suitable for youth 18-20; ineligible for Army service. Harold Wyatt, Pharmaceutical Chemist, 223 Stanley Road, Bootle.

BRIGHTON.—Unqualified Assistant wanted for Dispensing and Front Counter; good-class Store business; must be smart Counterman; good appearance and address; not afraid of work; permanency with chance of promotion to right man; 50s. per week and commission; all applications treated in confidence. Full particulars, when disengaged, "Aspirin," 45 Old Steine, Brighton.

CARDIFF.—Wanted, smart unqualified Assistant (exempt from military service) for suburban business; good Counterman and Prescriber; one married with no family who could live on premises not objected to. Please send photo, stating salary and particulars, to Robinson, Chemist, Cardiff.

CUMBERLAND.—Assistant, unqualified, and not eligible for the Army; first-class experience. Wilson & Kitchin, County Chemists, Whitehaven.

DEVON.—Manager: take sole charge; easy hours. Apply, 13/10, Office of this Paper.

DISS, Norfolk.—Assistant wanted in Agricultural and Dispensing business; outdoors; reasonable hours. Apply, with full particulars, salary required, when at liberty, references, to Gostling & Co.

GLOUCESTER.—Unqualified Assistant; outdoors; good appearance and address; for Light Retail and Dispensing business; ineligible preferred. State age, height, salary, with photo, Ward & Woodman, Gloucester.

HULL.—Wanted, a capable, trustworthy Managing Assistant; must be good Window-dresser and Counterman; able to Prescribe; state age, salary, and the names of last two employers for references; permanency to suitable man; enclose photo (to be returned). Bakers', Ltd., The Up-to-Date Pharmacy, 9 Midland Street, Hull.

HULL.—Qualified Manager required for progressive business; must be well up in Store trade and Photography; liberal interest in profits offered to the right man. 11/170, Office of this Paper.

KENT.—Unqualified Assistant (single), age about 42-45, required for old-established Family Retail business; permanency; very comfortable berth for a capable man. "D." (11/172), Office of this Paper.

LEAMINGTON.—Unqualified Assistant; non-eligible; preferably experienced man desiring permanency. Please state age and salary required, Hutton & Barrett, Ltd., Leamington.

LIVERPOOL Suburb.—Wanted, a reliable Assistant (unqualified), for Light Retail and Dispensing business. State full particulars and salary required (outdoors), Alfred Shaw, 43 Green Lane, Stoneycroft, Liverpool.

LONDON.—A qualified Dispenser is required at the Battersea Provident Dispensary during absence of Assistant on military service; salary £90 per annum; hours 9.30 to 1 and 5.30 to 9 o'clock; weekly half-holiday. Apply, by letter, stating age and full particulars of experience, to Chief Dispenser, 185 High Street, Battersea.

LONDON, E.—Wanted immediately, outdoors, £2 weekly, smart unqualified, young, energetic Assistant; Window-dresser; ineligible. Apply, 13/5, Office of this Paper.

LONDON, N.W.—Wanted at once, Second Assistant, chiefly for Dispensing. W. R. Ames, 142 High Street, St. John's Wood.

LONDON, S.W.—Young lady Dispenser-Bookkeeper required; must be experienced and a willing worker; comfortable permanency to a suitable applicant. "D. B." (11/173), Office of this Paper.

LONDON, S.W.—Junior Assistant; indoors; ineligible; must be a neat and accurate Dispenser and accustomed to good-class business. Apply, stating salary and usual particulars, to J. Selley, 202 Earl's Court Road, South Kensington, S.W.

LONDON, S.W.—Required, Dispenser, lady or gentleman, Minor qualification; hours of work approximately 8.45 to 6.30, Saturdays 1 p.m.; 1s. per hour paid for time if working after 7 p.m.; no Sunday duty. Write, stating full particulars of past experience, to "L. J." 83, Sells' Advertising Offices, Fleet Street, E.C.

LONDON, W. (near Baker Street).—Evening Relief Assistant; qualified; capable; Thursdays and alternate Sundays, 6 till 9.15. State experience, salary required, and full particulars, Pharmacist, 66 Lower Richmond Road, Putney.

LONDON (West End).—Competent Dispenser wanted immediately. 191/3, Office of this Paper.

MANCHESTER.—Qualified man required for Branch; comfortable situation; good progressive salary. Apply, with usual particulars, to "Aspirin," c/o Heath Bros., Blackfriars, Manchester.

MANCHESTER.—Wanted, a Junior or Second Assistant; ineligible for military service. F. W. Bates, Brooks's Bar, Manchester.

NEAR MANCHESTER.—Wanted, qualified Assistant for quick Cash business, must be smart, a willing worker, and good Salesman. Address, with full particulars, age, references, and photo, 11/13, Office of this Paper.

NORWICH.—Unqualified outdoor Assistant (ineligible for Army) required; must be good Dispenser and Salesman; hours 9 till 8, Saturday 10; no Sunday duty; good salary to reliable man. State age, experience, and full particulars (photo if possible) in first letter, Fuller & Co., Ltd., Chemists, Norwich.

S. LONDON.—Competent Assistant, with good Dispensing knowledge. Full particulars of experience, salary required, etc., to 190/63, Office of this Paper.

SOUTH OF ENGLAND.—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTHSEA.—Wanted, lady Assistant, Minor or Hall qualification; outdoors. Apply, Arnold & Sons, Southsea Pharmacy, Southsea.

TAUNTON.—Unqualified Assistant wanted in good-class Retail and Dispensing business; indoors or out. Apply, with full particulars, to Gregory & Wrenn, Ltd., Chemists, Taunton.

UPPINGHAM.—Wanted, Senior Assistant for first-class country Agricultural and Dispensing business; hours 8.30 to 7; usual half-holiday; no Sunday duty; close one hour mid-day; liberal salary. Apply, with full particulars, to C. Bayley, Uppingham, Rutland.

WEST END.—Wanted, a good Assistant; outdoors; not eligible; hours 9 a.m. to 7.30 p.m.; half-day off weekly; the right man would find this a comfortable permanency. Apply, with full particulars, to "A." (11/40), Office of this Paper.

WEST OF ENGLAND.—Manager, to take sole charge; Light Retail and Photographic. Apply, 13/100, Office of this Paper.

WOLVERHAMPTON.—Qualified Manager wanted; Light Mixed business; early hours. Apply, Fellows, 47 Worcester Street, Wolverhampton.

A GENTLEMANLY, capable Assistant required for brisk good-class business; ineligible for the Army; one with a knowledge of Photography preferred; qualification not essential; good salary; outdoors; no Sunday work. Please send full particulars and photograph to T. Parsons, Pharmacist, Sevenoaks.

A GOOD Assistant wanted, used to N.H.I. Dispensing; no Sunday duty. Apply, Wm. Fox & Sons, Ltd., 109, 111, 113 Bethnal Green Road, N.E.

A JUNIOR or Improver (lady or gentleman) accustomed to good-class Dispensing. W. McEwen, 17 Craven Road, London, W.

A YOUNG lady required to Pack, assist behind the Counter, and help generally; a first-class chance to learn the business; previous experience not absolutely necessary; a personal interview preferred. Hopkins, 106 High Street, Wandsworth, S.W.

ASSISTANT wanted, male or female; one used to first-class Dispensing and Retail; qualified or unqualified, former preferred; outdoors. Apply, stating full particulars, Balkwill & Co., 106 Old Town Street, Plymouth.

ASSISTANT wanted soon as possible, ineligible for military service, for Retail, Dispensing, and Photographic business. Full particulars to Enness & Co., Pharmacists, 91 High Street, Wandsworth, S.W.

ASSISTANT for Light Retail and Dispensing; ineligible; able to take charge occasionally. Please give full particulars in first letter, Bramley, Chemist, Handsworth, Birmingham.

ASSISTANT wanted for high-class Dispensing establishment, centre of Birmingham; no Sunday duty. Address, stating age, experience, and salary required, "Dispensing," c/o Southall Bros. & Barclay, Ltd., Lower Priory, Birmingham.

ASSISTANT; outdoors; lady or gentleman; one with knowledge of Photography preferred. Apply, with full particulars, age, salary required, etc., to Blaker, Chemist, Haslemere.

ASSISTANT wanted at once for Dispensing in a City Stores (ineligible for Army); hours 8.45 to 6.30, Saturdays close at 1 o'clock; no Sunday duty. Apply, stating experience and salary required, to "Statim," c/o "H. H. M.," Street's, 30 Cornhill, E.C.

ASSISTANT; with good experience; not under 23 years of age; must live indoors; central West-End position. Send photo, state age, height, previous experience, when disengaged, and salary required to "Galenical" (13/37), Office of this Paper.

AT early date (outdoors), one or two Assistants, qualified and unqualified, ladies or young ineligible men, for up-to-date Retail and Dispensing businesses. Full particulars to C. Breese, 119 Mitcham Lane, Streatham, S.W. 'Phone, 446 Streatham.

BRANCH Manager, unregistered, for outer London; must be good Salesman and Window-dresser; able to increase already successful business; no Sunday, Poisons, or Dispensing; commission on sales and increased returns; opportunity for good man wanting desirable permanency. State fully age, experience, and salary expected to "Alpha" (190/62), Office of this Paper.

CHEMIST wanted; over military age; easy hours; Manchester district. State age and usual particulars to 13/24, Office of this Paper.

CHEMIST'S Assistant (unqualified, ineligible) required, with experience of good-class Retail trade; permanency; good prospects; commencing wages 50s. State age and fullest particulars of previous appointments to Manager, Junior Army and Navy Stores, Union Street, Aldershot.

COMFORTABLE berth (indoors or outdoors) in good-class Dispensing and Family business. Apply, with fullest particulars, to Corfe & Son, Chemists, Maidstone.

FRANK A. ROGERS has a vacancy for a qualified Assistant, lady or gentleman, for Dispensing; also for an unqualified Junior or Improver; ineligible for military service. Apply, personally or by letter, to 327 Oxford Street, W.

JUNIOR Assistant required; outdoors. Apply, stating age, experience, and references, Duck & Son, Chemists, Cardiff.

JUNIOR or Improver wanted for good-class Dispensing and Retail. W. Pickard, 3 West Kensington Terrace (opposite W. Kensington Station).

KNIGHTON, Radnor.—Wanted, a competent Assistant for a Mixed country business, with good-class Retail; say if married or single and give particulars as to age, salary, past experience, etc. Joseph Blower, Knighton, Radnor.

LADY Dispenser and Bookkeeper wanted in good-class business; short hours; Senior and Stockkeeper also kept. Apply, R. C. Harrison, Grayshott, Hindhead, Surrey.

LADY Dispenser required; salary 22s.; rooms, light, firing, and attendance; hours and work not heavy; some former experience with medical man preferred. Apply, stating qualifications, experience, and age, to Dr. Body, Dowlais House, Middlesbrough.

LOCUM; capable of managing single-handed if necessary; Light Retail business; no N.H.I. Dispensing; easy hours; April 25 to May 9 inclusive. State qualifications and salary required, give last three references, T. E. Hirst, M.P.S., Pharmacist, Slaithwaite, near Huddersfield.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects.

NIGHT service; West End; ineligible for military duties; abstainer and qualified preferred; smart, attentive, and progressive; must be well recommended; opportunities; write full particulars; personal interview will be required. Apply, "Drummond" (15/16), Office of this Paper.

PART-TIME, unqualified or qualified Assistant, experienced and competent, to take Thursday all day, 9 to 9.30, or every other Sunday evening, 6.30 to 9.30, or both. State salary required, "Rhei" (14/26), Office of this Paper.

PHARMACIST required (ineligible for Army) to take lead during war in a well-known high-class Pharmacy, Yorkshire; unimpeachable references required. Full particulars to "X. Y. Z." (13/3), Office of this Paper.

PRELIMINARY Notice.—Proprietor of an old-established working-class business (showing exceptional profits), wishing to retire, desires to meet with a qualified man with energy and necessary qualifications for taking same over, either for cash or with a suitable man on easy terms; returns over £1,600. 10/350, Office of this Paper.

QUALIFIED wanted for good-class Store business, South Coast; Dispensary and Front Counter; good house on premises; suit man 45 to 50; easy hours; no Sunday duty; half-day weekly; must have good appearance and address; salary 50s. weekly, free house; permanency. Applications, treated in confidence, particulars, to Simpson, 6 Wilbury Crescent, Hove.

QUALIFIED Manager required for a well-established and progressive business; must be about 42 and have had good all-round experience; good agreement offered to the right man. "L." (11/17), Office of this Paper.

QUALIFIED Chemist wanted; easy berth; short hours; suit elderly man. Apply, M.P.S., The Hall, Starbeck, Harrogate.

QUALIFIED Assistant required, honest and reliable, for working-class district; permanency; shop hours and half-holiday. State salary and when disengaged, Lancashire Drug Co., Ltd., Accrington Road, Burnley.

QUALIFIED Manager required, ineligible, to take charge of business; Agricultural experience essential. Apply, with particulars of age, experience, and salary required, to Allen & Neale, King's Lynn.

QUALIFIED, active, middle-aged Pharmacist, to take charge for a few weeks with view to purchase; easy terms or cash; outdoors; takings over £30 a week; particulars given at personal interview only; no Panel work, Optics, or Dentistry; working-class district near London. Please state salary, "Optimus" (14/40), Office of this Paper.

QUALIFIED Assistant, lady or gentleman, for first-class Dispensing business; two Assistants kept; must have had good Dispensing experience and capable of taking charge; to reside on premises or outdoors as arranged; hours 8.30 to 7.30. Apply, Sharman, Chemist, Northwood.

REYNOLDS & BRANSON, LTD., Leeds, require a Junior Assistant for Retail and Dispensing Department; must be ineligible for military service. State age, height, experience, and salary required.

SMART, qualified Assistant (ineligible for the Army), wanted in good-class Dispensing establishment; permanency; previous West-End experience preferred. Apply by letter, stating age, particulars of experience, and salary required, to "Capsule," c/o S. Maw, Son & Sons, 7-12 Aldersgate Street, E.C.

THOMPSON & CAPPER, LTD., Chemists, 51 Piccadilly, Manchester, have a vacancy for an unqualified Assistant, not eligible for service; knowledge of Photography. Apply, with references and photograph if possible.

UNQUALIFIED Assistant; must have been rejected by Army; comfortable permanency for capable man. State age, experience, and salary required, "U." (11/171), Office of this Paper.

UNQUALIFIED, about 30, with good Dispensing experience; country; good salary; easy hours. 9/17, Office of this Paper.

UNQUALIFIED Manager wanted for good-class Stores trade; South Coast seaside resort, 12,000 population; must be good Counterman, smart appearance, good Window-dresser; permanency; 55s. per week and commission on profits; short hours; half-day weekly; no Sunday duty; all applications treated in confidence. Full particulars, when disengaged, to Chemist, 45 Old Steine, Brighton.

UNQUALIFIED required; house free, fitted with electric and every convenience; N.H.I. work; £2 2s. per week, rising, to a suitable man; Extractor preferred. "Comfortable" (189/43), Office of this Paper.

WANTED, Manager for S.W. London; medium-class business; application from a lady would be entertained. Apply, with particulars as to age, salary, experience, to "Price" (11/6), Office of this Paper.

WANTED, smart Junior for Mixed Suburban Business, with little Wholesale, Export trade. Send usual particulars to "Chemist," 104 Claremont Road, Pendleton, Manchester.

WANTED, Dispensing and Counter Assistant, outdoors, lady or gentleman, if latter, must be ineligible for Army, for country town in Worcestershire. 1241 (9/28), Office of this Paper.

WANTED, qualified Assistant; ineligible for the Army; application from a lady would be entertained; accustomed to medium-class business. Full particulars, age, height, etc., to T. Johns, 73 High Street, Gravesend.

WANTED, from 3 till 7 daily, experienced Dispenser, accustomed to good-class business; ineligible for Army. State terms and qualifications to Ernest Drayton, Pharmacist, 12 The Mall, Ealing, W.

WANTED, competent Assistant (ineligible), to take charge of Chemist's shop; state age and salary required, with references. Apply, Box 706, Robertson & Scott, Advertising Agents, Edinburgh.

WANTED, Junior Assistant (ineligible) for high-class Dispensing and Retail business. Apply, "Midland" (14/9), Office of this Paper.

WANTED, Junior Assistant for Light Retail and N.H.I. Dispensing, or arrangements can be made for morning and evening duties only; suit student or improver; outdoors. "P." (15/14), Office of this Paper.

WANTED, Assistant or Junior (indoors), able to Manage in absence of principal; good-class Light Retail business; easy hours; half-day weekly; no Sunday duty; must have good references. Please state full particulars in application, age, references, salary required, and when at liberty, W. E. Clarke, Pharmacist, Surbiton, S.W.

## WHOLESALE.

ANALYTICAL.—Junior Assistant wanted for Laboratory in the provinces. Apply, with full details, age, experience, salary required, to "Analyst" (189/38), Office of this Paper.

ANALYTICAL Chemist required, with special knowledge of the Soap and Oil industry; only those with experience and intimate knowledge need apply. State salary and experience, Y. Box 556, c/o 5 Queen Victoria Street, E.C.

CHIEF Assistant for Manufacturing Laboratory; knowledge of Pharmacy essential; progressive position. State full particulars and salary required to 190/50, Office of this Paper.

INVOICE Clerk required (male or female); one accustomed to the Drug trade; must have held similar position before. Write, stating full particulars, to L. Watkins, c/o Harker, Stagg & Morgan, Devon Wharf, Emmott Street, Mile End, E.

LABELLING and Packing a Proprietary Food.—Wanted, to make arrangements with a firm in London. Williams & Co., 24 Holborn, E.C.

LABORATORY Hand required; accustomed to making Toilet Preparations; must be an accurate and careful worker; ineligible. Apply, 189/60, Office of this Paper.

LABORATORY Manager wanted by London Wholesale Druggists. State age, experience, and salary required to 190/5, Office of this Paper.

LABORATORY.—Wanted at once, by London house, Junior Assistants with good practical experience. Apply, by letter, stating previous engagements, salary, and age, to "Export" (190/65), Office of this Paper.

MAN (ineligible) wanted to assist in making Toilet Preparations, etc.; permanency for good man. State age, experience, and salary required, 190/52, Office of this Paper.

PASTILLE Coating.—Vacancy for steady, reliable, competent man, who thoroughly understands Gelatine Coating; permanency; state experience and wages required. Apply, "A. Z." (190/21), Office of this Paper.

TRAVELLER required for London and district, with live connection amongst Chemists, to Represent Manufacturing Perfumers and Toilet Sundry House. Apply fully, 184/47, Office of this Paper.

TRAVELLER wanted to interview Medical Men in the interests of a new Invalids' Food; applicants must show that they have had considerable experience in calling upon Doctors, and give their districts, terms, etc. Write, "W." 76, Sells' Advertising Offices, Fleet Street, E.C.

TRAVELLERS wanted for several sections of London; also for Home and S.E. Counties to Dorsetshire, to introduce and push (*a*) exceptionally saleable (topical, war) specialities; (*b*) the smartest get-up series of Chemists' own-named Packed Goods yet offered; and—if within Traveller's qualifications—(*c*) Sundries and Pharmaceuticals, being the products of a leading House making everything a Chemist sells; useless applying unless with sound travelling experience and open connections. Write, stating age, experience, terms (salary or commission, and whether whole or part time), ground worked, etc., to 191/6, Office of this Paper.

UP-TO-DATE Traveller required, to Represent a house Manufacturing Surgical Dressings and Chemists' Sundries, for the following counties: Westmorland, Durham, Northumberland, Lancs, and Yorks. Only those with live connections need apply to "Flannel" (185/18), Office of this Paper.

WANTED, smart, experienced Correspondent (male), with some knowledge of Medicine; salary 50s. per week. Full particulars and age to Veno Drug Co., Ltd., Veno Buildings, Manchester.

WANTED for Wholesale Drug Warehouse, capable man for Wet heavies. Apply, stating experience, and wages required, to John Thompson, Ltd., Wholesale Druggists, 58 Hanover Street, Liverpool.

WAREHOUSE Assistant wanted; must have had previous experience in similar position; good character; ineligible. Apply, with full particulars, wages asked, etc., Evans, Gadd & Co., Ltd., Exeter.

# APPRENTICESHIPS.

APPRENTICESHIP required by young man, tall (17), with previous Counter experience; board, lodging required. Apply, giving full particulars in first instance, 11/5, Office of this Paper.

TO Parents and Guardians.—Youth required, age about 17, for Wholesale Surgical-dressings house, to learn the business with a view to become a Traveller; good opportunity for smart lad. Apply, "Bandage" (188/64), Office of this Paper.

# SITUATIONS WANTED.

**1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.**

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

## [HOME.] RETAIL.

AS Dispenser; thoroughly experienced in Hospital work; ineligible. "G.," 10 Grange Road, Plaistow.

ASSISTANT (22), 5 years' experience, for N.H.I. Dispensing and Counter or Stock; good Window-dresser; experienced in Photography. Apply, 13/27, Office of this Paper.

BOOKKEEPING; evenings; Wholesale and Retail accounts; advertiser (ineligible) 25 years' trade counting-house experience. "S.," 30 Kellerton Road, Lee, S.E.

BRANCH, Senior; accurate Dispenser; experienced Prescriber; discreet Counterman; strict Economist; Photography; Extractions; married, ineligible; country preferred; unregistered. "Fairley," Post Office, Evesham Street, Redditch.

CHEMIST (F.S.M.C.) desires re-engagement in busy Pharmacy; Photographic, Agricultural, and Sight-testing experience; over Army age. Walker, 20 Noble Street, Wem.

CHEMIST; Minor qualification; disengaged; references. Kissell, 41 St. Julians Road, Kilburn.

DISENGAGED; unqualified; Hall; attested; can give two or more months' service; good West-End experience; can take charge. 11/15, Office of this Paper.

DISENGAGED half-day Tuesday and Wednesday; Saturday and Sunday evening duty; best references. 12/12, Office of this Paper.

DISPENSER, evenings; disengaged 6; unqualified; 15 years' reference; age 45. 15/9, Office of this Paper.

DISPENSER-BOOKKEEPER, aged 46, Hall certificate, desires post with Doctor or Chemist, near London. 12/30, Office of this Paper.

EVENINGS; London or Suburbs; 15 years' experience Dispensing, Counter, etc.; capable and energetic; first-class references; exempt; unqualified. "Rhei," 11 Lucerne Road, Thornton Heath.

EVENINGS; qualified; up-to-date experience. "Pharmacist," 5 Claverton Street, Victoria, S.W.

EVENINGS from 6.30 p.m.; within 30 minutes Oxford Circus, North of river; West-End experience; Dispensing or Counter. "S. T.," 1 Granville Villas, Finchley, N.

EXPERIENCED Manager and Buyer; qualified; 47; married; good reference; disengaged April 20. Address, 11/14, Office of this Paper.

EXPERIENCED lady Dispenser desires post; Hall qualification; Chemist, Doctor, or Hospital; Manchester district. Kindly state salary and full particulars, 11/2, Office of this Paper.

EXPERIENCED Dispenser-Bookkeeper, etc.; excellent references. "Delta," 28 Park Grove, West Ham.

EXPERIENCED Hospital and Infirmary Dispenser desires post; first-class Dispensing, Dressing, and Surgical experience; good references; ineligible. "Zingib," 21 Woodberry Grove, Finsbury Park.

GLOUCESTER.—Pharmacist, married, requires permanency, Gloucestershire or Southern England; reliable; with good references and experience; ineligible. "C. D. H.," 11 Slad Road, Stroud, Glos.

LADY Dispenser-Bookkeeper desires post with Doctor; 2 years' experience; Ambulance certificates. Salary and particulars, Smith, 30 Rosslyn Hill, Hampstead, N.W.

LADY Dispenser desires post with Doctor; two years' good experience N.H.I. and Bookkeeping; live out. State salary and full particulars, 13/15, Office of this Paper.

LADY Dispenser (Hall qualified) desires post, Chemist or Doctor; some experience both. 12/10, Office of this Paper.

LADY Dispenser (Hall certificate), experienced, seeks post in London or S.W. district. 190/8, Office of this Paper.

LOCUM; indoors preferred; disengaged; experienced; near London. 10/37, Office of this Paper.

LOCUM; disengaged; 28; abstainer; thoroughly experienced. Wire, Dymond, "Dunholme," Exeter Road, Teignmouth.

LOCUM; country; 50; qualified; disengaged April 21 to May 7, and after May 22; first-class references; booking forward. Dewey, Hughes, Chemist, Stonehouse, Gloucestershire.

LOCUM; qualified; ineligible; elderly. Bilton, West Heath, Congleton, Cheshire (permanent address).

LONDON.—Unqualified; ineligible; Front Counter, Dispensing; State salary; long hours and Sunday duty "not entertained." "Hodie," 10 Alfearn Road, Clapton, London, N.E.

LONDON, S.W.—Young qualified man seeks immediate engagement; preferably Dispensing. "Rhei" (13/21), Office of this Paper.

M.P.S., WELL connected, highest references, over age, requires part time or full time; many years' experience; Somerset, Essex, or Kent preferable. 9/18, Office of this Paper.

M.P.S., HIGHEST references, over age, long experience, to Manage a small country business; terms according to requirements; S.W. England preferable. 9/180, Office of this Paper.

MANAGER, qualified, London (West End) and country experience, seeks responsible position; good Salesman; London or South Coast preferred. State terms, "J. B." (10/33), Office of this Paper.

MANAGER; 49; qualified; first-class all-round experience; in or near London preferred; disengaged about middle of May. 11/21, Office of this Paper.

MANAGER, qualified, ineligible, excellent London and provincial experience, desires change. "Salol" (11/33), Office of this Paper.

MANAGER, qualified, 36, married, good references, requires post at seaside town, South Coast. Tunnicliff, 3 Anerley Road, Upper Norwood, S.E.

MANAGER; 46; married; active; experienced; personality; good references. Apply, 12/32, Office of this Paper.

MANAGER, ineligible, desires change; excellent references; succession entertained; active, obliging, experienced. Chemist, 10 Finsbury Park Road, N.

MANAGER; qualified; good experience; excellent references; 44; married. 7 Dunkeld Road, Goodmayes.

MANAGER; over military age; outdoors; thoroughly competent and experienced; excellent references; permanency desired; £4. "Statim" (13/31), Office of this Paper.

MANAGER; qualified; 37; ineligible; good all-round experience; disengaged; or will undertake Locum work; first-class references. "Richmond" (13/14), Office of this Paper.

PART-TIME; experienced Counter, Dispensing. Address "Statim" (12/13), Office of this Paper.

PART-TIME or Relief; Hall certificate; 42; good all-round experience; free from 1 to 6 p.m. and Sundays; terms moderate. "Statim," 16 Natal Road, Streatham, S.W.

PERMANENCY desired by advertiser; thoroughly experienced; unqualified; ineligible for Army service; married, no family; good references. 12/38, Office of this Paper.

QUALIFIED Locum, disengaged second week in May, desires position around Chatham district. "Rhei" (11/8), Office of this Paper.

QUALIFIED, all-round experience, would accept Branch or Managership; permanency. 189/62, Office of this Paper.

QUALIFIED; 33; single; rejected; disengaged; outdoors. Kindly state terms. 12/14, Office of this Paper.

QUALIFIED; married; good Dispensing experience; London or near preferred, but not essential. "Salol" (13/30), Office of this Paper.

QUALIFIED; 36; ineligible; London only; disengaged shortly. Apply, 13/101, Office of this Paper.

QUALIFIED desires change as Manager; London preferred; excellent references; what offers? 13/13, Office of this Paper.

QUALIFIED Chemist, ineligible, retiring from business, is prepared to accept responsible position in West End, or as Dispenser in Hospital. 14/36, Office of this Paper.

RELIABLE, qualified Manager; permanent; Locum; 38; disengaged; every experience; including own business. "Immediate" (12/6), Office of this Paper.

STUDENT of Pharmacy offers his services as Dispenser in evenings; London district. "W. H.," 110 The Grove, Ealing, W.

UNQUALIFIED, Manager or Assistant, married (35), ineligible, seeks permanency; highest references. State salary, etc., to "Rhei" (10/38), Office of this Paper.

UNQUALIFIED; excellent all-round experience; Dispensing, Counter, and Window-dressing; near London. 11/32, Office of this Paper.

YOUTH, 17, as Apprentice in London, already slight knowledge Retail. 12/1, Office of this Paper.

## WHOLESALE.

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ADVERTISER, large connection as Traveller, over 10 years last situation, Ph.C., seeks berth. 11/20, Office of this Paper.

ADVERTISER seeks permanent situation as Stockkeeper, or Manager of Patent Medicines Department; 12 years' experience in Wholesale and Retail, comprising Wets, Drys, Patent Medicines, Chemical and Scientific Apparatus, Sundries, etc.; 28 years of age (ineligible). 14/7, Office of this Paper.

ALL North of England, Lancashire, and Yorkshire.—Gentleman covering this ground is open for an additional Agency on part expenses and commission basis; live connection; Drugs, Packed Goods, or Specialities. Address, "Gent," 73 Randolph Street, Levenshulme.

CHEMIST'S Assistant possessing exceptional capabilities as a Salesman is desirous of obtaining a position as Representative to a known company; would entertain suitable agencies, etc. "Salol," 54 Alderley Road, Flixton, Manchester.

CLERK seeks appointment; age 33; 16 years as Pricer, etc.; or would assist in spare time. 11/34, Office of this Paper.

I WISH to Represent a Packed Goods or Sundries house; must be a firm who wants business and can pay a good living commission; ground covered, London to Scotland; ineligible for Army; not a cripple. 6/29, Office of this Paper.

IN Laboratory or Warehouse; ineligible Army; good experience; staying record, etc.; seeks change. 11/12, Office of this Paper.

INELIGIBLE; finest Wholesale, Retail, City and West experience; good Salesman, expert Window-display (big prizewinner); age 30; highest references; would travel and combine Window-dressing. "Cheriton," Beverstone Road, Brixton Hill, S.W.

REPRESENTATIVE; London and 50 miles radius; exceptionally well known to the trade; 12 years' real selling experience on this ground; Proprietaries, Drugs, and Sundries; good record; first-class references; disengaged. Apply, 12/16, Office of this Paper.

PERFUMER (Manufacturing), ineligible, many years' experience, wants situation; Specialities, Face-cream, Shaving-cream, Hair-dyes, etc. "B. 13" (8/28), Office of this Paper.

REPRESENTATIVE, well known, travelling North Wales, wishes Proprietary line on commission basis. 10/32, Office of this Paper.

TRAVELLER, qualified Chemist, requires re-engagement; experienced, energetic, successful; excellent selling record and connection with chemists, stores, institutions, and general; intimate knowledge drug, sundries, essence, disinfectant, etc., trades; first-class references; ineligible Army; disengaged. 13/38, Office of this Paper.

WAREHOUSE Manager desires change; at present with well-known Patent Medicine Proprietors; used to entire control; time and piece work; able to engage, control, and retain staff economically; adaptable; 5 years' experience in sales and cash departments of office, home and export. 15/4, Office of this Paper.

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SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

SECOND-HAND Drug Fittings, cheap, all sizes.—Silent Salesman, Glass Counters, Wall-cases, Window-enclosures, Screens, Iron Safes and Partitioning; Shop-fronts and Glass Facias a speciality. Farley's, Chemists' Shopfitters, 227-227a Old Street, E.C.

BEST cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

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**TERMS**

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

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Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

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**"The Chemist and Druggist," 42 Cannon Street, London, E.C.**

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Phenazonum (13/19)
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Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

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## WANTED.

WANTED, cocain. hydrochlor. State price, Downing, Chemist, Archway Road, Highgate, N.

NYAL.—Can any brother Nyalist supply a few huskeys and 1s. face-cream? Braid, Chemist, Exmouth.

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Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "The Chemist and Druggist"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of W. J. RENDELL," "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

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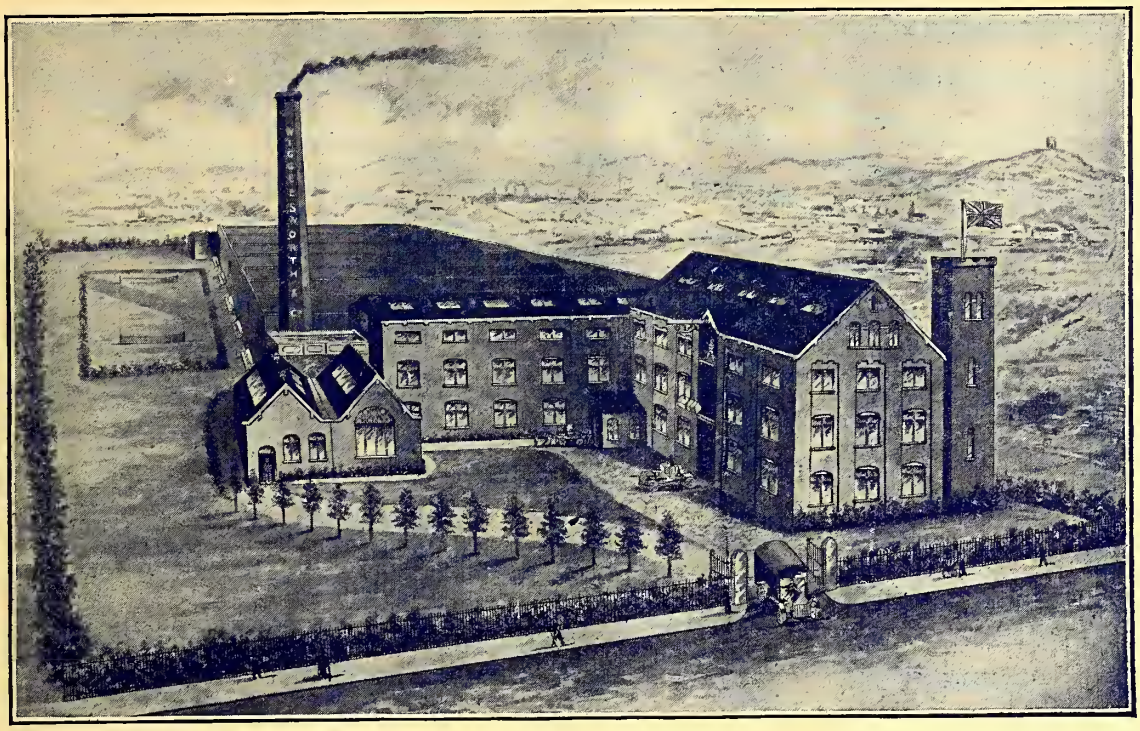

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